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*Pharmaceutical
Sector Resources
in the U.S.
with Expertise in
International Health*

*A compilation of individuals
and non-governmental entities*

for the

*U. S. AGENCY FOR INTERNATIONAL
DEVELOPMENT*

1984

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THIS INVENTORY WAS PREPARED by Ira C. Robinson, Ph.D.,
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The inclusion of an individual or group in this publica-
tion does not constitute an endorsement of such individual or
group by the U. S. Agency for International Development. Users
should evaluate each prospect appropriately and satisfy themselves
of the individual's or entity's qualifications prior to selection
for an assignment.

=====
November 1984

John

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DRUG, CHEMICAL AND ALLIED TRADES ASSOCIATION -- Mr. Joseph D. Madden, executive vice president.

GENERIC PHARMACEUTICAL INDUSTRY ASSOCIATION -- Mr. William Haddad, president.

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--Ira C. Robinson, Ph.D.
Washington, D.C.
November 15, 1984

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ABBREVIATIONS AND ACRONYMS

ACS	--	American Chemical Society
ASQC	--	American Society of Quality Control
APhA	--	American Pharmaceutical Association
APHA	--	American Public Health Association
ASHP	--	American Society of Hospital Pharmacists
CDC	--	Centers for Disease Control
CHS	--	Center for Health Sciences
DEA	--	Drug Enforcement Administration
DHEW/USDHEW	--	U. S. Department of Health, Education and Welfare
DHHS/USDHHS	--	U. S. Department of Health and Human Services
FCC	--	Federal Communications Commission
FDA/USFDA	--	U. S. Food and Drug Administration
GLP	--	Good Laboratory Practices
GMP	--	Good Manufacturing Practices
IV	--	Intravenous
IND	--	Investigational New Drug Application
MOH	--	Ministry of Health
NDA	--	New Drug Application
NF	--	National Formulary of the U. S.
NIH	--	National Institutes of Health
NSF	--	National Science Foundation
NCHSR	--	National Center for Health Services Research
OAS	--	Organization of American States
ORT	--	Oral Rehydration Therapy
OTC	--	Over-the-Counter
PAHO	--	Pan American Health Organization
PHC	--	Primary Health Care
PHS/USPHS	--	U. S. Public Health Service
PMA	--	Pharmaceutical Manufacturers' Association
QA/QC	--	Quality Assurance/Quality Control
R&D	--	Research and Development
UNICEF	--	United Nations Children's Fund
USDA	--	U. S. Department of Agriculture
USP	--	U. S. Pharmacopeia
VA	--	Veterans Administration

Part I:

INTRODUCTION

**CRITERIA FOR INCLUSION,
SCOPE AND LIMITATIONS**

HOW TO USE THE INVENTORY

V

INTRODUCTION

This document is essentially an inventory of individuals and group resources in the United States which are involved in the pharmaceutical logistics supply and management process and which have experience in or have contributed services toward the health care of the peoples of other countries, especially developing countries. In one sense, it is a compilation of information on key experts in pharmaceutical logistics, who have provided some type of pharmaceutical or other related health service abroad. This inventory is not meant to be exhaustive as the universe sampled was in excess of 150,000. Of these, only some 6,000 individuals and groups were surveyed, resulting in a six percent (6%) response.

The purpose of this inventory is to provide a ready reference on individual experts and expert groups in the domestic pharmaceutical sector whose expertise and experience may be of value to the U. S. Agency for International Development in the planning, design, implementation and evaluation of primary health care projects and programs in developing countries of the world. Host country planners may also find this compilation useful.

This project represents yet another step toward fulfilling the agency's goals and objectives in developing country health care improvement. As USAID is a major source of external support for programs aimed at making basic health care services more broadly available to the rural poor of such developing countries, the author was instructed to compile an inventory of key domestic pharmaceutical sector resources with expertise in international health.

The U. S. Agency for International Development has a long-standing policy of supporting worldwide efforts toward improving the access of the rural poor to basic health care services. Some of the agency's newer efforts are focussed on increasing the availability of essential drugs through improved pharmaceutical logistics supply management.

The universe from which key pharmaceutical sector resources were selected for possible inclusion in this inventory was comprised of some 150,000 individuals, agencies, firms, institutions and organizations. Principal among these were pharmacists -- both active and retired -- in community or retail practice, in hospitals, nursing homes, convalescent centers, clinics and other health-care institutions; in wholesale drug distribution; in the pharmaceutical industry (research and development, production, quality control, marketing and sales, and administration and management); in federal, state and other governmental health-care institutions; national, state and local professional and trade associations; national and state credentialing and licensing agencies; colleges and schools of pharmacy; pharmaceutical sector consulting organizations and

firms; health-care advertising agencies with significant pharmaceutical advertising volume; national professional and trade journals; pharmaceutical wholesalers; and pharmaceutical manufacturers.

Out of this universe, some 6,000 individuals and groups were either pre-selected or self-selected to receive data entry forms. These included consultants appearing in the professional literature; the deans and key faculty members at colleges of pharmacy; the chief administrative officers of national pharmacy associations, foundations and publications; members of the industrial pharmaceutical technology section of the APhA Academy of Pharmaceutical Sciences; members of select sections of the APhA Academy of Pharmacy Practice; chief operating officers of domestic multinational pharmaceutical manufacturing firms and of their international divisions; and others identified through literature and personal contacts. Special effort was made to reach those not currently involved in projects with USAID but who may have relevant field experience.

Of these, approximately six percent (6%) or 368 responded. Only 28 institutions, agencies or firms responded although all 72 colleges and schools of pharmacy, all national professional organizations and professional and trade journals, and all major pharmaceutical manufacturers in the U.S. were contacted. A special effort was made to include minorities -- especially Black pharmacists -- by use of membership lists supplied by the Association of Black Hospital Pharmacists and the National Pharmaceutical Association, as well as mailing lists of alumni of the predominantly Black colleges of pharmacy and others supplied by the National Pharmaceutical Foundation, including major metropolitan association membership lists.

Needless to say, many individuals and groups qualified for inclusion in such a compilation as this are absent from our listing -- for a variety of reasons. Among these are the lack of sufficient interest and/or knowledge of developing country needs in health care, on the part of certain individuals as to motivate them to respond to our information request; and the largeness of the universe from which mailing lists were drawn in comparison to the size of the selected groups to which data entry forms were mailed. Further, a number of individuals citing experience in projects funded by AID or another federal agency failed to supply validating documents even after a direct followup request was made.

Part I of this report discloses the criteria used in the selection of data entries for inclusion, the scope and limitations of the report, and how to report. The body of the report -- the data entries -- is comprised of two sections:

- Part II -- Individual resources or consultants; and
- Part III -- Agencies, firms, institutions and organizations.

CRITERIA FOR INCLUSION, SCOPE AND LIMITATIONS

The contracting agency instructed the consultant to prepare an inventory of key domestic pharmaceutical sector resources with expertise in international health. The inventory was to include the names, addresses and telephone numbers "along with succinct biographical data which features developing country experience and education/training". The levels of expertise and experience were to be verified through curriculum vitae, capability statements, etc. No further attempt was made to validate respondents' information on their expertise nor to assess the quality of their expertise and experience.

For the purpose of this report, the pharmaceutical sector is defined as those groups of individual and organized resources presenting expertise and experience in one or more of the following pharmaceutical logistics processes:

1. Drug design and discovery;
2. Drug delivery system design;
3. Drug selection;
4. Drug standards setting and monitoring;
5. Pharmaceutical quality control/quality assurance;
6. Procurement of pharmaceutical chemicals, other raw materials, equipment and machinery, containers and other packaging materials used in the production of pharmaceutical dosage forms, and the finished pharmaceutical dosage forms themselves;
7. Clinical and safety evaluation of drugs;
8. Production of pharmaceuticals and dosage forms;
9. Pharmaceutical marketing, warehousing and distribution to both public and private sectors; and
10. Use of pharmaceuticals in health care.

Criteria for Inclusion

Consequently, individuals and groups presenting expertise and experience in either of these areas were considered eligible for inclusion in this compilation in accordance with the following criteria:

1. Presenting expertise in either or more of the following areas:
 - a. clinical and distributive pharmacy services;
 - b. health-care services where pharmaceuticals and other health-care products routinely dispensed by pharmacy personnel are used;
 - c. training, organization and mobilization of pharmaceutical sector personnel;
 - d. pharmaceutical and related disciplines;
 - e. major categories of pharmaceutical products;
 - f. national health policy; and

- g. health-care communications and media facilitating the flow of drug and related health-care information.
2. Presenting experience utilizing either or more of the areas of expertise above.
3. Consultant or other professional experience abroad in pharmaceutical sector activities.
4. Consultant or other professional experience in international health programs/projects, even if the actual work was done in the U.S.

While other individuals are employed in and have expertise and experience in pharmaceutical sector activities, the principal group representing substantial expertise and experience in this category is, understandably, individuals trained in and practicing pharmacy. Therefore, pharmacists and others having practiced in some aspect of the overall pharmaceutical logistics process were considered the target resource audience for individual consultants.

Similarly, the target resource group for organizations, institutions, agencies and firms would be those which provide any one or more services in the overall pharmaceutical logistics process.

Scope and Limitations

AREAS OF EXPERTISE

Key pharmaceutical sector resources with expertise in one or more of the following areas were invited to submit brief biographical data, accompanied by a recent resume:

1. Pharmaceutical Services
 - a. Community/retail pharmacy services
 - b. Hospital/institutional pharmacy services
 - c. Wholesale drug distribution
 - d. Industrial (manufacturing) pharmacy
2. Pharmaceutical Associations/Organizations
3. Pharmaceutical Communications/Media
4. Pharmaceutical Education and Training
5. Other Health Services and Policy
 - a. Family planning
 - b. Maternal and child health
 - c. National health policy
 - d. Nutrition

- e. Public health services
- 6. Pharmaceutical and Related Disciplines
 - a. Biopharmaceutics and pharmacokinetics
 - b. Computer sciences
 - c. Drug epidemiology
 - d. Economics
 - e. Folk remedies and herbal medicines
 - f. Medicinal chemistry
 - g. Pharmaceutical analytical chemistry
 - h. Pharmacology and toxicology
 - i. Sociology and psychology
- 7. Pharmaceutical Components and Products
 - a. Pharmaceutical chemicals and raw materials
 - b. Pharmaceutical containers and closures
 - c. Dental pharmaceuticals
 - d. Diagnostic pharmaceuticals
 - e. Radiopharmaceuticals
 - f. Veterinary pharmaceuticals
 - g. Biological preparations (vaccines, etc.)
 - h. Pharmaceutical dosage forms (liquid, semi-solid, solid, and sterile)

The types of experience identified by the respondent were compared against information in the individual's curriculum vitae or the group's capability statement, brochure or other information submitted along with the data entry form. Only those types of experience which could be readily corroborated with accompanying documentation or which were obvious or usual components of one's professional work entailing activity in the area, were included in this report.

TYPES OF EXPERIENCE

The types of experience elicited from the target group were as follows:

- 1. Pharmaceutical Practice
 - a. Drug selection and formulary development
 - b. Drug procurement/purchasing
 - c. Clinical services
 - d. Prescribing
 - e. Compounding (extemporaneous and small scale bulk)
 - f. Dispensing of medications
 - g. Drug administration
 - h. Drug information
 - i. Poison control
 - j. Product research and development
 - k. Manufacturing/production/processing
 - l. Packaging and labelling
 - m. Distribution and warehousing

2. Other Experience

- a. Administration and management
- b. Advertising and promotion
- c. Cost analysis
- d. Equipment engineering/manufacture
- e. Equipment selection, operation and evaluation
- f. Facilities design and construction
- g. Health services marketing
- h. Import and export management
- i. Inventory control
- j. Logistics planning and management
- k. Manpower training and development
- l. Marketing and sales
- m. Market research
- n. Operations research
- o. Organization development
- p. Project/program planning, design and evaluation
- q. Regulatory compliance and licensing
- r. Research
- s. Survey research
- t. Transportation

Self-identified areas of expertise were reviewed against the individual respondent's curriculum vitae or the group's capability statement, catalog or brochure, both for verification and for clarification. In some instances, it was necessary to contact an individual or group for more definitive information.

HOW TO USE THIS INVENTORY

Resources in this inventory are of two types: individual (Part II) and group or institutional (Part III). While the formats used in data presentation differ for the two groups, the experience and expertise parameters and their corresponding code numbers are the same for both types.

Data entries are arranged alphabetically for each of the two groups. Types of experience are coded numbers 1 through 47 and 99, the latter number representing other types not includable under the former 36 distinct experience categories. Thirty-three areas of expertise are numerically coded 101 through 171 and 199, the latter for miscellaneous or "other" areas of expertise. These numerical codes are listed at the end of each data entry to facilitate data retrieval if and when this may be desired.

The data entry for each individual includes: 1) name; 2) citizenship; 3) race (optional -- for affirmative action purposes only); 4) sex; 5) residence address and telephone; 6) current position, business address and telephone; 7) professional summary; 8) constraints to accepting consulting assignments; 9) languages spoken fluently; 10) educational background; 11) major areas of expertise; 12) major types of experience; 13) consulting and other professional experience abroad; 14) licensure (as a pharmacist); 15) and key codes (for data retrieval purposes).

The general format used for presentation of item "13" -- consulting and other professional experience abroad -- is: type or title of program or project participated in or contributed to, name of the country served, duration of the assignment, sponsor, and source of funding -- in that order. In some cases, incomplete information was provided. In such cases, all of these components will not be present.

Group data entries are presented utilizing the following format: 1) name of the entity; 2) type of entity; 3) address; 4) telephone; 5) telex; 6) cable address; 7) responsible executive; 8) director of international health programs; 9) types of experience in pharmaceutical projects abroad; 10) areas of expertise; 11) countries served (including length of time served); 12) corporate or institutional background; 13) physical facilities; 14) personnel; and 15) codes identifying expertise and experience (for data retrieval purposes).

In both cases, codes for experience and expertise were taken directly from the data entry forms completed by the individual or group representative. A copy of each instrument used to obtain data for this report is attached (Appendices A and B).

This report includes some 174 individual data entries and some 20 data entries from respondent firms, institutions, and

organizations, each with the written authorization of the respondent.

Indexes are provided near the end of this report to facilitate the location of individuals by name, ethnic grouping, sex, area of expertise or type of experience. More specifically, the following indexes are included:

1. Alphabetical Index to Individuals
2. Alphabetical Index to Organizations, Institutions, Firms and Non-Governmental Agencies
3. Experience/Expertise Index to Data Entries

The alphabetical index to individuals will enable the user to locate experts by name. For those searching for individuals with affirmative action goals in mind, the index to individuals identifies them by both ethnic group and sex. Group resources can be found by reference to the alphabetical index to organizations, institutions, agencies and firms. Those looking for individuals or groups with specific areas of expertise or types of experience will find the index to experience/expertise to be of value.

Part II:

**INDIVIDUALS IN THE U.S.
PHARMACEUTICAL SECTOR
WITH EXPERTISE IN
INTERNATIONAL HEALTH**

NAME: ADIR, Joseph S. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:
Street and No: 6408 Sunset Light Phone: 301/730-8490
City and State: Columbia, MD Zip Code: 21045

CURRENT POSITION: Professor of Pharmaceutics Phone: 202/636-6530
Employer: Howard University College of Pharmacy
Street and No: and Pharmacal Sciences
City and State: Washington, DC Zip Code: 20059

PROFESSIONAL SUMMARY: Has been with present institution since 1982. Previous experience includes positions of assistant production manager at Teve Middle East Pharmaceutical and Chemical Works, Ltd., Jerusalem, Israel; research and teaching assistant at the Department of Pharmaceutics, State University of New York; member of University of Maryland Graduate School faculty; director of Clinical Pharmacokinetics Laboratory, assistant professor of pharmacy and pharmacology/toxicology, and associate professor of pharmacy and pharmacology/toxicology, University of Maryland School of Pharmacy; research associate professor at the University of Connecticut School of Pharmacy; and principal toxicologist at the Stauffer Chemical Co., CT.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: Arabic; English; French.

EDUCATIONAL BACKGROUND: Ph.D. (biopharmaceutics/pharmacokinetics), 1972;
M.Pharm. (pharmacy/pharmacology), 1961.

MAJOR AREAS OF EXPERTISE: Hospital/institutional pharmacy services; industrial pharmacy; pharmaceutical education and training; biopharmaceutics/pharmacokinetics; computer sciences; pharmaceutical analytical chemistry; pharmacology/toxicology; liquid, semi-solid and solid pharmaceutical dosage forms.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; clinical services; extemporaneous compounding; drug information; product research and development; manufacturing/production/processing; administration and management; equipment selection/operation/evaluation; manpower training and development; regulatory compliance and licensing; research.
LICENSURE: Israel (1961).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Senior biopharmaceutist/
pharmacologist, Israel, 1 mo., UNIDO/United Nations.

KEY CODES: 01, 03, 05, 09, 11, 12, 21, 28, 35, 44, 45, 102, 104, 113, 131, 132,
138, 139, 161, 162, 163.

NAME: ALTURA, Burton M. CITIZENSHIP: US RACE: WOC SEX: M

RESIDENCE ADDRESS:

Street and No: 162-01 Powells Cove Blvd.
City and State: Beechhurst, NY

Phone: N/A
Zip Code: 11357

CURRENT POSITION: Professor of Physiology
Employer: State University of New York
Street and No: Downstate Medical Center
City and State: Brooklyn, NY

Phone: 212/270-2616

Zip Code: 11203

PROFESSIONAL SUMMARY: Prior to present position, which has been held since 1975, Dr. Burton has been visiting, associate and assistant professor of physiology and anesthesiology at the Albert Einstein College of Medicine; and assistant professor and instructor of experimental anesthesiology at New York University School of Medicine. He has been an investigator in the Department of Physiology at SUNY Downstate Medical Center since 1974 and in the departments of physiology and anesthesiology at the New York University School of Medicine.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None given.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacology/pathology), 1964; M.S. (biochemistry/physiology), 1961; B.A. (zoology/chemistry), 1957.

MAJOR AREAS OF EXPERTISE: Pharmaceutical education and training; nutrition; pharmacology/toxicology; cardiovascular diseases.

MAJOR TYPES OF EXPERIENCE: Administration and management; manpower training and development; product research and development; project/program design, evaluation and planning; and research.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABRDAD: Trauma and injury, Sweden, 1 wk., Medical Defense Agency; peptides and treatment of shock, Switzerland, 1 wk., Sandoz, LTD; magnesium and health, Germany, 1 wk., Bundesgesundheitsamt; steroids and treatment of shock, Japan, 1 wk., various agencies. Participation in several international symposia.

KEY CODES: 11, 21, 35, 42, 43, 45, 113, 124, 139.

NAME: ANDERSON-SMITH, Charlotte A. CITIZENSHIP: US RACE: White SEX: F

RESIDENCE ADDRESS:

Street and No: Route 1, Box 130
City and State: Ixonia, WI

Phone: 414/567-5498
Zip Code: 53036

CURRENT POSITION: Pharmacist
Employer: Walgreen Drug Co.
Street and No: 1041 Summit Avenue
City and State: Oconomowoc, WI

Phone: 202/872-8728

Zip Code: 53066

PROFESSIONAL SUMMARY: Has been self-employed with Wheatstone: Programs and Products for Natural Living, Ixonia, WI, since 1981. Also currently employed part-time as a free-lance editor (continuing education series) of ACS and as pharmacist at Walgreen Drug Co. in Oconomowoc, WI. Previously was pharmacist and assistant manager at Busse Pharmacy, Watertown, WI; research assistant and coordinator at the University of Wisconsin-Extension Management Institute; part-time pharmacist at Bethesda Lutheran Home, Watertown, WI; assistant to the dean, UW School of Pharmacy, Madison, WI; and assistant manager and/or pharmacist at Walgreen Drug Co. in Milwaukee, WI, and Aurora, CO, at Minot Drug Co. in Minot, ND, and at Ross Drug Store in Del Rio, TX.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Length of time -- short term only.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: M.S. (continuing and vocational education), 1980; B.S. Pharm. (pharmacy), 1968.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; pharmaceutical education and training; nutrition.

MAJOR TYPES OF EXPERIENCE: Dispensing; project/program planning, design and evaluation.

LICENSURE: WI (1969); ND (1970); CO (1973); TX (1969); MN (1979).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Consultant, development and operation of extension programs in agriculture, home economics and youth development involving extension agents from developing countries, 3 yrs., UW-Madison/USDA Office of International Cooperation and Development, USAID.

KEY CODES: 07, 42, 43, 101, 113, 124.

NAME: ANISFELD, Michael Henry CITIZENSHIP: UK RACE: WOC SEX: M

RESIDENCE ADDRESS:

Street and No: 4 Newton Court West
City and State: Buffalo Grove, IL

Phone: 312/459-8711
Zip Code: 60090

CURRENT POSITION: Director of Research Operations
Employer: American Critical Care Division
Street and No: American Hospital Supply Corporation
City and State: McGaw Park, IL

Phone: 312/473-3000

Zip Code: 60085

PROFESSIONAL SUMMARY: Has been with present employer since 1976. Prior positions with present firm include director of quality affairs and production manager. Was also materials control manager and assistant plant manager with Baxter/Travenol Laboratories, Ashdod, Israel.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Hebrew.

EDUCATIONAL BACKGROUND: M.B.A. (industrial management), 1980; M.Sc. (industrial pharmacy), 1972; B.Pharm. (pharmacy), 1969.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical association/organization; pharmaceutical education and training; computer sciences; economics; liquid, semi-solid and sterile pharmaceutical dosage forms; pharmaceutical containers and closures.

MAJOR TYPES OF EXPERIENCE: Procurement; extemporaneous/small scale compounding; manufacturing/production/processing; packaging and labelling; quality control/quality assurance; distribution and warehousing; administration and management; cost analysis; equipment selection/operation; and import/export management.

LICENSURE: UK (1971); Israel (1972).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Quality assurance auditing, People's Republic of China, 2 wks., UNFPA/PRC; assistant plant manager, Israel, 5 yrs., Travenol Labs; currently involved in facility/technology consulting for present company in Brazil, Mexico, France, Germany, UK and other countries.

KEY CODES: 02, 05, 06, 12, 13, 14, 15, 21, 25, 27, 28, 29, 32, 33, 34, 35, 42, 43, 99, 104, 111, 113, 132, 134, 161, 162, 164, 171.

NAME: AREH, Okechukwu M. CITIZENSHIP: Nigeria RACE: Black SEX: M

RESIDENCE ADDRESS:

Street and No: 808 Petty Lane
City and State: King of Prussia, PA

Phone: 215/265-6099
Zip Code: 19406

CURRENT POSITION: Senior Research Scientist
Employer: Wyeth Laboratories, Inc.
Street and No: P.O. Box 861
City and State: Paoli, PA

Phone: 215/644-6000
Zip Code: 19301

PROFESSIONAL SUMMARY: Has been in current position since 1982. Also associated with United Health and Development Company (Nigeria), LTD, 7 Arima Lane, P.O. Box 4353, Oritsha, Anambra State, Nigeria.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; local Nigerian languages.

EDUCATIONAL BACKGROUND: Ph.D. (industrial pharmacy), 1983; M.S. (industrial pharmacy), 1980; B.A. (biology/chemistry).

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical education and training; folk remedies/herbal medicines; radiopharmaceuticals; pharmaceutical dosage forms (liquid, semi-solid, solid, sterile); biopharmaceutics/pharmacokinetics.

MAJOR TYPES OF EXPERIENCE: Administration and management; compounding; equipment selection/operation/evaluation; manpower training and development; product research and development; quality control/quality assurance; and research.

LICENSURE: Certificate in nuclear pharmacy, MSC, 1980.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Consulting, Nigeria, 2 yrs., Anambra State Government; self-administered malaria diagnostic kit, Nigeria, 6 mos., Zenogen, Inc.

KEY CODES: 06, 11, 14, 21, 28, 35, 45, 104, 113, 131, 135, 151, 154, 161, 162,
163, 164.

NAME: ASKER, Ahmed F. CITIZENSHIP: Egypt RACE: WOC SEX: M

RESIDENCE ADDRESS:
Street and No: 906 Bonnie Avenue Phone: 904/385-2692
City and State: Tallahassee, FL Zip Code: 32303

CURRENT POSITION: Prof., Pharmaceutics/Industrial Pharm. Phone: 904/599-3201
Employer: College of Pharmacy
Street and No: Florida A and M University
City and State: Tallahassee, FL Zip Code: 32307

PROFESSIONAL SUMMARY: In present position since 1983. Previously, held rank of associate professor at FAMU; and positions of professor, associate professor, lecturer and demonstrator with the University of Alexandria Faculty of Pharmacy, Egypt, beginning in 1956. Also served as associate professor of pharmacy at the Howard University; research associate in pharmacy at the University of Georgia; research associate in manufacturing pharmacy at the University of Illinois; and part-time consultant to the pharmaceutical and chemical industries, Alexandria, Egypt, for 9 years.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: Arabic; English.

EDUCATIONAL BACKGROUND: Ph.D. (industrial pharmacy), 1964; Diploma of Industrial Pharmacy (industrial pharmacy), Egypt, 1958.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services, industrial pharmacy, pharmaceutical education and training, and pharmaceutical dosage forms (liquid, semi-solid, solid and sterile).

MAJOR TYPES OF EXPERIENCE: Pharmaceutical compounding (extemporaneous and bulk), product research and development, and manufacturing/production/processing, manpower training and development, and research.

LICENSURE: Egypt, 1958.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Consultant, Egypt, 9 yrs, Alexandria Company for Pharmaceutical and Chemical Industries; professor and chairman, Department of Industrial Pharmacy, Egypt, 3 yrs., University of Alexandria.

KEY CODES: 05, 06, 07, 11, 12, 35, 45, 101, 104, 113, 161, 162, 163, 164.

NAME: AUTIAN, John

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 5841 Park #4
City and State: Memphis, TN

Phone: 901/682-2099
Zip Code: 38119

CURRENT POSITION: Vice Chancellor for Research and Deans
Employer: Graduate School of Medical Sciences
Street and No: University of Tennessee
City and State: Memphis, TN

Phone: 901/528-5538
Zip Code: 38163

PROFESSIONAL SUMMARY: Also holds position as director of the Materials Sciences Toxicology Labs, Graduate School of Medical Sciences at UT, where he has been employed since 1967. From 1975 to 1982, he served as dean of the College of Pharmacy at UTCHS. Since 1967, he has been professor in the College of Pharmacy and College of Dentistry and director of the Materials Sciences Toxicology Labs. Other positions have included coordinator of dental research, College of Dentistry; coordinator, basic science research program, UT Cancer Center; and president of the UTCHS Faculty Senate; chairman, scientific review committee of the Memphis Regional Cancer Center; and member of the UT International Programs Advisory Council and of the Egyptian Program Advisory Committee (ex-officio).

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Practically none.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacy and pharmacology), 1954; M.S. (pharmacy), 1952; B.S. (pharmacy), 1950.

MAJOR AREAS OF EXPERTISE: Pharmaceutical education and training; and pharmacology/toxicology.

MAJOR TYPES OF EXPERIENCE: Administration and management; and research.

LICENSURE: TN.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Consultant, pharmacy curriculum and graduate program in toxicology, Saudi Arabia, 1982, King Saud University; consultant, Brazil, 1980, WHO; consultant, toxicity testing of dental materials, England, 1974, Federation Dentaire Internationale; invited speaker/lecturer (Australia, Belgium, Netherlands, England, France, Canada, Egypt, Japan, Uruguay, Scotland, Turkey, Italy, Mexico, Spain, Sweden and Germany.

KEY CODES: 21, 35, 45, 113, 139.

NAME: AVIS, Kenneth E.

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 3897 Mary Lee Drive
City and State: Memphis, TN

Phone: 901/398-3549
Zip Code: 38116

CURRENT POSITION: Professor/Chairman, Pharmacy Department Phone: 901/528-6088
Employer: College of Pharmacy, Room 204

Street and No: University of Tennessee
City and State: Memphis, TN

Zip Code: 38116

PROFESSIONAL SUMMARY: With UT since 1961; has served as department chairman since 1983, and as professor of pharmacy or medicinal chemistry since 1967. Prior positions held: chief and director, Division of Parenteral Medications, Department of Medicinal Chemistry; vice chairman, Department of Pharmaceutics; and positions of instructor through associate professor.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None given.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: D.Sc. (pharmacy), 1956; M.S. (pharmacy), 1947; B.S. (pharmacy), 1942.

MAJOR AREAS OF EXPERTISE: Pharmaceutical chemicals/raw materials; pharmaceutical containers and closures; pharmaceutical dosage forms (liquid, semi-solid, solid, and sterile); pharmaceutical education and training.

MAJOR TYPES OF EXPERIENCE: Administration and management; extemporaneous compounding; facilities design; manpower training and development; manufacturing/production/processing; quality control/quality assurance.

LICENSURE: PA (1942); TN, 1961.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Consultant in parenteral medications, Jamaica, 1979, PAHO.

KEY CODES: 1, 6, 11, 12, 14, 28, 29, 102, 104, 164, 171, 199.

NAME: BASDEKIAN, Edward A.

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 2221 NW 36th Terrace
City and State: Gainesville, FL

Phone: 904/372-8221
Zip Code: 32605

CURRENT POSITION: Captain

Employer: U.S. Navy (Reserve) (TEMACDU)
Street and No: Naval Medical Command
City and State: Washington, D.C.

Phone: 202/653-1245

Zip Code: 20372

PROFESSIONAL SUMMARY: Since 1978, he has served as vice president and secretary of Universal Pharmaceutical Systems, Inc.; from 1979 to 1981, intermittently, as deputy special assistant for Naval Reserve Bureau of Medicine and Surgery, US Navy Department. Also, formerly assistant dean for planning and development, assistant professor of pharmaceutical and health-care administration and assistant professor of pharmacy practice at the Howard University College of Pharmacy and Pharmacal Sciences; project director of health manpower utilization studies, health systems research division, University of Florida; community pharmacist; chief, pharmacy service, Department of Student Health, and acting and assistant director of pharmacy & central supply, University of Florida.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: Armenian and English; some French, Lao, Turkish.

EDUCATIONAL BACKGROUND: M.A. (business management; health care administration), 1980; B.S. Pharm. (pharmacy), 1960; B.S. (chemistry; biology), 1957.

MAJOR AREAS OF EXPERTISE: Hospitals; community/retail and hospital/institutional pharmacy services; pharmaceutical education and training; and national health policy.

MAJOR TYPES OF EXPERIENCE: Administration and management; clinical services; drug administration; drug information; drug selection/formulary development; dispensing; distribution and warehousing; inventory control logistics planning and management; manpower training and development; packaging; and procurement.

LICENSURE: FL (1960), AL (1964).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Health-care program planning and development officer, Laos, 2 yrs, USAID; advisor, RVN Navy surgeon, Republic of Vietnam, 2 mos.; commander, Naval Force, Republic of Vietnam; project officer, health services, Greece, 2 mos., US Navy; medical services officer on various tours, 29 years, US Navy medical department.

KEY CODES: 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 12, 13, 14, 15, 21, 25, 28,
29, 33, 34, 35, 41, 42, 43, 101, 102, 113, 123.

NAME: BEAL, Jack L.

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 5544 Rockwood Road
City and State: Columbus, OH

Phone: 614/885-2227
Zip Code: 43229

CURRENT POSITION: Professor and Associate Dean
Employer: Ohio State University
Street and No: College of Pharmacy
City and State: Columbus, OH

Phone: 614/422-6415
Zip Code: 43210

PROFESSIONAL SUMMARY: At Ohio State University since 1952. Has held rank of professor since 1963, rising from position of assistant professor and associate professor. His earlier career included the positions of undergraduate teaching assistant and instructor at the University of Kansas.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacognosy), 1952; B.S. (pharmacy), 1948; M.S. (pharmacognosy), 1950.

MAJOR AREAS OF EXPERTISE: Pharmaceutical education and training; folk remedies/herbal medicines; natural product medicinal chemistry.

MAJOR TYPES OF EXPERIENCE: Manpower training and development; research.

LICENSURE: KS (1948).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Cultural exchange program, American specialist, Iraq, 1 mo., US State Department; visiting lecturer, Czechoslovakia, 1 wk., Komensky University; visiting lecturer, Austria, 1 wk., University of Vienna; visiting lecturer, Egypt, 2 wks., University of Cairo.

KEY CODES: 45, 113, 135, 136.

NAME: BEAUCHAMP, Michael Charles CITIZENSHIP: US RACE: Black SEX: M

RESIDENCE ADDRESS:
Street and No: 8240 Forshey Street Phone: 504/486-7798
City and State: New Orleans, LA Zip Code: 70118

CURRENT POSITION: President and Chief Pharmacist Phone: 504/482-9856
Employer: Pelican Exports, Inc. / Pelican Pharmacy
Street and No: 8336 Forshey Street
City and State: New Orleans, LA Zip Code: 70118

PROFESSIONAL SUMMARY: Beauchamp's experience encompasses practice as a retail pharmacist, hospital pharmacist at the VA Hospital of New Orleans and, formerly, the position of student research investigator for E. R. Squibb and Sons. His current operation is a small business specializing in pharmaceuticals, durable medical equipment and ostomy supplies.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: B.S. (pharmacy).

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; pharmaceutical association/organization and education and training; liquid, semi-solid, and solid pharmaceutical dosage forms; incontinent devices.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; procurement/purchasing; clinical services; extemporaneous and small scale bulk compounding; dispensing; drug administration and information; quality control/quality assurance; administration and management; advertising and promotion; facilities design/construction; import/export management; inventory control; marketing.
LICENSURE: LA (1976).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Minority business, Jamaica, 1 wk., US Department of Commerce; trade mission, Dominican Republic, 1 wk., US Department of Commerce.

KEY CODES: 01, 02, 03, 05, 06, 07, 08, 09, 14, 21, 23, 29, 32, 33, 37, 38, 99,
101, 102, 111, 113, 161, 162, 163, 139.

NAME: BELCASTRO, Patrick F. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 327 Meridian Street
City and State: W. Lafayette, IN

Phone: 317/743-0404
Zip Code: 47906

CURRENT POSITION: Professor of Pharmaceutics
Employer: Purdue University

Phone: 317/494-1401

Street and No: School of Pharmacy and Pharmacal Sciences
City and State: W. Lafayette, IN

Zip Code: 47907

PROFESSIONAL SUMMARY: A contributing editor and member of the editorial advisory board of Pharmaceutical Technology, Dr. Belcastro is professor of industrial pharmacy at Purdue, where he has served for many years.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: French, Italian, English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutics), 1953; B.S. (pharmacy), 1942; M.S. (pharmaceutics), 1951.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; pharmaceutical education and training.

MAJOR TYPES OF EXPERIENCE: Dispensing; extemporaneous and small scale bulk compounding; procurement.

LICENSURE: PA (1942).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Pharmaceutical stability, Denmark, 6 mos., sabbatical/Purdue University; hospital pharmacist, England and France, 1 yr., 217th General Hospital/US Army.

KEY CODES: 02, 05, 06, 07, 99, 101, 113.

NAME: BHARGAVA, Hridaya N.

CITIZENSHIP: US

RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 21 Sherwood Circle
City and State: Sharon, MA

Phone: 614/784-6764
Zip Code: 02067

CURRENT POSITION: Professor of Industrial Pharmacy
Employer: Massachusetts College of Pharmacy
Street and No: and Allied Health Sciences
City and State: Boston, MA

Phone: 617/732-2913

Zip Code: 02115

PROFESSIONAL SUMMARY: With current employer since 1979. Also currently associate director of Pfeiffer Pharmaceutical Sciences Laboratories at MCPAHS. Formerly was a research fellow at Merck and Company and a group leader at USV Pharmaceutical Corporation.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Hindi.

EDUCATIONAL BACKGROUND: Ph.D (pharmacy/chemistry), 1965; B. pharm. (pharmacy), 1958.

MAJOR AREAS OF EXPERTISE: National health policy; natural product and synthetic medicinal chemistry; industrial pharmacy; pharmaceuticals; pharmaceutical containers; pharmaceutical dosage forms (liquid, semi-solid, solid and sterile); pharmaceutical education and training; pharmaceutical chemicals; raw materials; dental pharmaceuticals.

MAJOR TYPES OF EXPERIENCE: Administration and management; clinical services; drug selection/formulary development; equipment selection/operation/evaluation; import/export management; manpower training and development; manufacturing/production/processing; packaging and labelling; product research and development; regulatory compliance; and research.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Alternatives to increase drug production in Surinam: Feasibility report, Republic of Surinam, December 1981, PAHO through WHO.

KEY CODES: 01, 03, 06, 11, 12, 13, 14, 21, 28, 32, 35, 42, 43, 44, 45, 46, 104, 113, 123, 136, 137, 151, 152, 161, 162, 163, 164, 171.

NAME: BLAKE, Martin I. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 9023 Kenton Avenue
City and State: Skokie, IL

Phone: 312/677-5605
Zip Code: 60076

CURRENT POSITION: Professor of Pharmaceutics
Employer: University of Illinois
Street and No: College of Pharmacy
City and State: Chicago, IL

Phone: 312/996-2091

Zip Code: 60612

PROFESSIONAL SUMMARY: Has been professor of pharmaceutics since 1960; formerly a research associate at Argonne National Laboratory, assistant professor of pharmaceutical chemistry at Duguesne University, and professor of pharmaceutical chemistry at North Dakota State University; and has held long-term appointments with drug standards setting entities in the U.S. -- the USP and NF -- from 1965 to present.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D (pharmacy), 1950; M.S. (pharmacy), 1949; B.S. (pharmacy), 1947.

MAJOR AREAS OF EXPERTISE: Drug assay; pharmaceutical analytical chemistry; pharmaceutical dosage forms (liquid, semi-solid, and solid); pharmaceutical education and training; radioisotope pharmaceuticals.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; quality control/quality assurance; research; drug standards setting.

LICENSURE: NJ (1949); NY (1950); IL (1963); FL (1979); PA (1952); OH (1951).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: External examiner, Nigeria, 2 wks., University of Nigeria; WHO, Pakistan, 10 wks., United Nations; WHO, India, 10 wks., United Nations; fellow, Korea, 10 wks., WHO; fellow, Pakistan, 10 wks., WHO.

KEY CODES: 01, 14, 45, 112, 138, 154, 161, 162, 163, 199.

NAME: BURKITT, Donald J. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 3533 Paxton Drive
City and State: Hilliard, OH

Phone: 513/762-4524
Zip Code: 43026

CURRENT POSITION: Senior Vice President
Employer: PEDCO, Inc.

Street and No: 11499 Chester Road
City and State: Cincinnati, OH

Phone: 614/771-0450

Zip Code: 43026

PROFESSIONAL SUMMARY: Since 1981, has served in present capacity. Formerly, vice president of operations for KV Pharmaceutical Co. and for Adria Laboratories, Inc.; vice president and director of operations at Marion Laboratories; director of manufacturing at Hoechst-Roussel Pharmaceuticals, Inc.; and assistant production manager and manufacturing supervisor for McNeil Labs, Inc.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Possible constraints: date, length of time or location.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: B.S. (pharmacy), 1959.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; raw materials/pharmaceutical chemicals; pharmaceutical dosage forms (liquid, semi-solid, solid, sterile).

MAJOR TYPES OF EXPERIENCE: Administration and management; distribution and warehousing; equipment engineering/manufacture; equipment selection/operation/operation/evaluation; facilities design/construction; inventory control; logistics planning and management; manpower training and development; marketing and sales; product research and development; organization development.
LICENSURE: PA (1959); MO (1969).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Plant design, Germany, 3 yrs.; Hoechst; plant design, Egypt, 1 yr., Medical Union Pharmacy; plant design, 6 mos., Mexico, Abbott Labs.

KEY CODES: 11, 12, 13, 14, 15, 21, 27, 28, 29, 33, 34, 35, 37, 41, 42, 43, 104, 151, 161, 162, 163, 164.

NAME: BUSSE, Louis W.

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 6967 Applewood Drive, R.R. 2
City and State: Madison, WI

Phone: 608/833-8975
Zip Code: 53711

CURRENT POSITION: Assoc. Dean/Prof. of Pharmacy Emeritus
Employer: University of Wisconsin
Street and No: School of Pharmacy
City and State: Madison, WI

Phone: 608/263-8148
608/262-1414

Zip Code: 53706

PROFESSIONAL SUMMARY: Retired after distinguished service as an academician at the University of Wisconsin School of Pharmacy over an extended period of time.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D (pharmacy), 1940; B.S. (pharmacy), 1936; B.S. (pre-medicine), 1934.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; liquid, semi-solid, solid and sterile pharmaceutical dosage forms; pharmaceutical education and training; veterinary pharmaceuticals.

MAJOR TYPES OF EXPERIENCE: Product research and development; research; small scale bulk compounding.

LICENSURE: WI (1936).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Consultant, pharmacy education, Nigeria, 3 wks., University of Ife; medical and pharmaceutical education, Algeria, 2 wks., University of Algeria.

KEY CODES: 06, 11, 45, 104, 112, 155, 161, 162, 163, 164.

NAME: BUTT, Frederick D.

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 11238 B Snowflake Ct.
City and State: Columbia, MD

Phone: 301/964-9860
Zip Code: 21044

CURRENT POSITION: Pharmacist (part-time)

Employer: Burwood Plaza
Street and No:
City and State: Ferndale, MD

Phone: 301/859-3110

Zip Code: 20190

PROFESSIONAL SUMMARY: Recently completed 2-year experience as staff pharmacist for 2 hospitals in Saudi Arabia. Prior employment has included co-ownership and management of a brokerage and wholesale marketing consultant firm; chief pharmacist for Saudi Arabian hospital; and hospital pharmacist in the U.S.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; German.

EDUCATIONAL BACKGROUND: B.S. (pharmacy), 1954.

MAJOR AREAS OF EXPERTISE: Community/retail; hospital/institutional and wholesale pharmacy services; industrial pharmacy; pharmacology/toxicology; pharmaceutical dosage forms (liquid, semi-solid, solid, and sterile); biological preparations; pharmaceutical closures and containers.

MAJOR TYPES OF EXPERIENCE: Administration/management; cost analysis; dispensing; distribution and warehousing; drug administration; drug information; drug selection/formulary development; extemporaneous compounding; import/export management; inventory control; logistics planning and management; manpower training and development.

LICENSURE: MD (1954); VA (1957); WA (1961).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Chief of material pharmacy, Saudi Arabia, 2 yrs., Cohittaker Corp.; chief of pharmacy, Saudi Arabia, 18 yrs., MKSAC; consultant for McDonnell Douglas Project, U.S.A., 1 yrs., Basic Basic Health.

KEY CODES: 01, 02, 04, 05, 06, 07, 08, 09, 12, 13, 14, 15, 21, 25, 32, 33, 34,
35, 41, 42, 43, 44, 101, 102, 103, 104, 139, 161, 162, 163, 164, 165,
171.

NAME: CARR, Jelleff C.

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 6546 Belleview
City and State: Columbia, MD

Phone: 301/992-9082
Zip Code: 21046

CURRENT POSITION: Director/Consultant in Toxicology

Employer: Carr Associates
Street and No: 6546 Belleview
City and State: Columbia, MD

Phone: 301/997-3076

Zip Code: 21046

PROFESSIONAL SUMMARY: Prior positions include science counsellor and executive director of the Food Safety Council; director of life sciences research office for the Federation of American Societies for Experimental Biology; chief of scientific analysis branch of life sciences division of Army research office, Department of the Army; chief of pharmacology unit at Psychopharmacology Service Center, National Institute of Mental Health; chairman of Department of Pharmacology at Purdue University School of Pharmacy; and professor, assistant professor and associate professor of pharmacology at the University of Maryland School of Medicine.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D (pharmacology), 1937; M.S. (pharmacology), 1934; B.S. (pharmacology), 1933.

MAJOR AREAS OF EXPERTISE: Biopharmaceutics/pharmacokinetics; natural product medicinal chemistry; nutrition; pharmaceutical education and training; pharmacology/toxicology.

MAJOR TYPES OF EXPERIENCE: Health services marketing; product research and development; and research.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Consulting for Banning Co. for approval of food product for sale in France, 1 month.

KEY CODES: 11, 31, 45, 112, 124, 131, 136, 139.

NAME: CASTELLION, Alan W. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS: R.D. #3, Box 84 A
Street and No: Bradley Hill Rd. Phone: 607/843-2181
City and State: Oxford, NY Zip Code: 13830

CURRENT POSITION: Director, Regulatory Affairs R&D Phone: 607/335-2642
Employer: Norwich-Eaton Pharmaceuticals, Inc.
Street and No: P.O. Box 91
City and State: Norwich, NY Zip Code: 13815

PROFESSIONAL SUMMARY: Since 1970, he has served as chief of the pharmacology section, manager of research compliance, director of scientific affairs and compliance, director of research and development compliance, and director of the regulatory affairs division at Norwich-Eaton Pharmaceuticals. Prior to joining Norwich-Eaton, he was a senior scientist in pharmacology at Smith, Kline and French Laboratories.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Negotiable, depending on assignment and commitments.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacology), 1964; B.S. (pharmacy), 1956.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; industrial pharmacy; pharmaceutical associations/organizations; pharmaceutical education and training; pharmacology/toxicology; compliance and regulatory affairs.

MAJOR TYPES OF EXPERIENCE: Administration and management; extemporaneous compounding; dispensing; drug administration; drug information; drug selection/formulary development; equipment selection/operation/evaluation; facilities design; inventory control; logistics planning and management; manpower training and development; manufacturing/production/processing.

LICENSURE: UT (1957).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Worldwide product registration for assuring that good manufacturing practices, good clinical practices and good laboratory practices were followed, Europe.

KEY CODES: 01, 04, 05, 07, 08, 09, 10, 11, 12, 13, 14, 21, 28, 29, 33, 34, 35,
41, 42, 43, 44, 45, 101, 104, 111, 112, 113, 139.

NAME: CHITNIS, Vinayar S. CITIZENSHIP: India RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 107 Birmingham
City and State: Vernin Hills, IL

Phone: 312/362-3126
Zip Code: 60061

CURRENT POSITION: Head, Ethical Products Development
Employer: G.D. Searle and Co., R & D Division
Street and No: 4901 Searle Parkway
City and State: Skokie, IL

Phone: 312/982-8867
Zip Code: 60077

PROFESSIONAL SUMMARY: In present position since 1982. Prior positions were as manager of technical services with Parke-Davis and Co.'s hospital products and pharmaceutical divisions; manager of the pharmaceutical division at Burroughs-Wellcome in Bombay, India; plant manager at Grimault Labs in Bombay; production research pharmacist at Miles Laboratories in Elkhart, IN, and at Merck, Sharp and Dohme in Bombay; production research pharmacist at Ciba Pharmaceuticals in Bombay; and drug inspector in Bombay.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English, Hindi, Marathi.

EDUCATIONAL BACKGROUND: M.S. (industrial pharmacy), 1964; B.S. (pharmaceutics), 1952.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; liquid, semi-solid, solid and sterile pharmaceutical dosage forms.

MAJOR TYPES OF EXPERIENCE: Administration and management; equipment selection/operation/evaluation; facilities design/construction; packaging and labelling; product research and development; manufacturing/production/processing; project management; and small scale bulk compounding.

LICENSURE: India.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Pharmaceutical company management, India, 2 yrs., Burroughs Wellcome; India, 3yrs., Grimault Labs; India, 3 yrs., Merck, Sharp and Dohme; India; 6 yrs., CIBA Pharmacy. Also government drug inspector, India, 2 yrs., Government of Bombay, India.

KEY CODES: 06, 11, 12, 13, 21, 28, 29, 104, 161, 162, 163, 164.

NAME: CODLING, Marcia D. CITIZENSHIP: Jamaica RACE: Black SEX:

RESIDENCE ADDRESS:

Street and No: 10 Prospect Street
City and State: W. Newton, MA

Phone: 617/965-6360
Zip Code: 02165

CURRENT POSITION: Professional Staff/Consultant
Employer: Arthur D. Little, Inc.
Street and No: 35 Alcorn Park, Room 278
City and State: Cambridge, MA

Phone: 617/864-5770
617/864-2785
Zip Code: 02140

PROFESSIONAL SUMMARY: From early 1983, Codling has been part-time consultant on pharmaceuticals with Arthur D. Little, Inc. Prior to these assignments, she engaged in dispensing of pharmaceuticals, clinical consulting and lecturing as a staff pharmacist at the University of Massachusetts Medical Center.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: M.S.M. (management), 1983; M.H.A. (health administration), 1982; B.Sc. (pharmacy), 1977.

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; pharmaceutical education and training; nutrition; drug epidemiology.

MAJOR TYPES OF EXPERIENCE: Administration and management; drug selection/formulary development; clinical services; extemporaneous compounding; dispensing; drug information; product research and development; market research; organization development; research; survey research.

LICENSURE: MA (1978).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Mexican market analysis, Mexico, 2 mos., private industry; Japan, West Germany, United Kingdom, U.S., OECs projects, analysis of world and country markets.

KEY CODES: 01, 03, 05, 07, 09, 11, 21, 38, 41, 45, 46, 101, 102, 113, 123, 124, 133.

NAME: CURRY, Stephen H. CITIZENSHIP: UK/PR RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 2201 NW 20th Street Phone: 904/378-9492
City and State: Gainesville, FL Zip Code: 32605

CURRENT POSITION: Professor of Pharmacy Phone: 904/392-4447
Employer: University of Florida College of Pharmacy
Street and No: J. Hillis Miller Health Center, Box J-4
City and State: Gainesville, FL Zip Code: 32610

PROFESSIONAL SUMMARY: Has been with University of Florida since 1980, where he has served as director of the Division of Clinical Pharmacokinetics since 1982. Previously, he was professor of pharmacology, reader in pharmacology, senior lecturer in charge, lecturer in pharmacology, and head of the pharmacology section of the Department of Pharmacology and Therapeutics at the London Hospital Medical College, University of London, UK; and visiting research fellow with the Chemical Pharmacology Laboratory, National Heart and Lung Institute, NIH, Bethesda, MD.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical chemistry), 1965; B.Pharm. (pharmacology/pharmaceutical chemistry), 1961.

MAJOR AREAS OF EXPERTISE: Pharmaceutical education and training; biopharmaceutics/pharmacokinetics; pharmaceutical analytical chemistry; pharmacology/toxicology.

MAJOR TYPES OF EXPERIENCE: Drug administration; research.

LICENSURE: UK (1962), unrestricted.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Professional practice, research, teaching, UK, 19 yrs., UK National Health Service, University of London.

KEY CODES: 08, 45, 113, 131, 138, 139.

NAME: DAVIES, John

CITIZENSHIP: Canada/PR RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 201 Ohua Street (2801-TI)
City and State: Honolulu, HI

Phone: 808/922-0610
Zip Code: 96815

CURRENT POSITION: International Health Consultant
Employer: Self-Employed

Phone: 808/948-7705

Street and No: 201 Ohua Street (2801-TI)
City and State: Honolulu, HI

Zip Code: 96815

PROFESSIONAL SUMMARY: Self-employed since 1981. Operated a retail pharmacy in Canada from 1950-67. Managed a hospital pharmacy in St. Lucia for 2 years; has been engaged in international health, family planning, and nutrition projects in Canada, Asian and Pacific countries, St. Lucia, Papua New Guinea, and Ghana since.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: B. Pharm. Sc. (pharmacy), 1956; M. P. H. (family health), 1978.

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; pharmaceutical communications/media and education and training; family planning; maternal and child health; national health policy; nutrition; public health services; economics.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; procurement; clinical services; prescribing; extemporaneous and small scale bulk compounding; dispensing; administration and management; advertising and promotion; cost analysis; inventory control; logistics planning and management; manpower training and development; sales; marketing; operations and survey research.

LICENSURE: British Columbia, Canada (1956).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Chief pharmacist, St. Lucia 2 yrs., direct hire; project director, Sri Lanka, 2 yrs., Population Services Services International; planning, Ghana, 1 mo., Canadian International Development Agency; health manpower/economics, Papua New Guinea, 2 yrs., direct hire; health manpower, Indonesia, 3 wks., World Bank; family planning, Pakistan, 2 mos., Asian Development Bank and USAID.

KEY CODES: 01, 02, 03, 04 05, 06, 07, 21, 23, 25, 33, 34, 35, 37, 38, 40, 42,
43, 45, 46, 101, 102, 112, 113, 121, 122, 123, 124, 125, 134.

NAME: DAVIS, Rebecca Howard CITIZENSHIP: US RACE: Black SEX: F

RESIDENCE ADDRESS: Columbia Plaza Apartments #414
Street and No: 2301 East Street NW Phone: 202/463-3943
City and State: Washington, DC Zip Code: 20037

CURRENT POSITION: (Dependent of Foreign Service Husband) Phone: N/A
Employer: Department of State
Street and No: US Interests Section/Havana, Cuba
City and State: Washington, DC Zip Code: 20520

PROFESSIONAL SUMMARY: Currently unemployed and a dependent of overseas spouse; since July 1984, located at above DOS address. Previous experience includes positions of English teacher (all levels) at USIS Cultural Center, US; PIT secretary for USAID in Santo Domingo, Dominican Republic; secretary at the American Embassy - San Salvador; pharmacist at Hilton Court Pharmacy, Inc. (retail pharmacy), Baltimore, Md.; clerk/typist at the Regional DEA office of the US Embassy in Caracas, Venezuela; and research technician at private hospital.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: To be determined.

LANGUAGES SPOKEN FLUENTLY: English; Spanish.

EDUCATIONAL BACKGROUND: B.S. (pharmacy/chemistry), 1952; certificate in drug counseling and crisis control, 1973.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; pharmaceutical associations/organizations; drug abuse counselling and crisis control.

MAJOR TYPES OF EXPERIENCE: Extemporaneous compounding; dispensing; drug administration; drug information; research.

LICENSURE: MD (1952); DC (1968).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: File clerk and pharmaceutical and drug adviser, Venezuela, 3 yrs., DEA Regional Office, South America; contract secretary/special projects, El Salvador, 18 mos., AID/State Department; contract secretary/special projects, Santo Domingo, Dominican Republic, 5 mos., AID.

KEY CODES: 05, 07, 08, 09, 45, 101, 111, 199.

NAME: DeLUCA, Patrick P.

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 3292 Nantucket Drive
City and State: Lexington, KY

Phone: 606/277-9477
Zip Code: 40502

CURRENT POSITION: Associate Dean and Professor

Employer: University of Kentucky
Street and No: College of Pharmacy
City and State: Lexington, KY

Phone: 606/257-1831

Zip Code: 40536

PROFESSIONAL SUMMARY: In present position as associate dean since 1979 and as professor of pharmacy since 1975. Employed at UK-COP since 1970 as division director, assistant dean and associate professor previously. Prior to that time, he served as plant manager and director of development and control at Commedics Corporation; senior research pharmacist, manager of special projects, and plant manager at Ciba Pharmaceutical Company; laboratory instructor and research associate at Temple University College of Pharmacy; and analytical chemist at Smith Kline and French Labs.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Subject to university approval.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical sciences), 1963; M.S. (pharmacy), 1960; B.S. (pharmacy), 1957.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; industrial pharmacy; pharmaceutical association/organization; pharmaceutical communications/media; pharmaceutical education and training; liquid, semi-solid, solid and sterile pharmaceutical dosage forms; pharmaceutical containers and closures.

MAJOR TYPES OF EXPERIENCE: Extemporaneous and small scale bulk compounding; dispensing; drug administration; facilities design; manpower training and development; manufacturing, production and processing; packaging and labelling; product research and development; and research.

LICENSURE: NJ; PA.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Consulting -- presented a technical course, Europe, 2 wks, and Puerto Rico, 1 wk. Discussed educational affiliation, Saudia Arabia, 1 wk, University of Kentucky.

KEY CODES: 05, 06, 07, 08, 11, 12, 13, 14, 21, 29, 35, 45, 101, 104, 112, 113, 161, 162, 163, 164, 171.

NAME: DOZZIE, Amelia Maria CITIZENSHIP: Australia RACE: White SEX: F

RESIDENCE ADDRESS:

Street and No: 403 Starwood Way
City and State: Lawrenceville, NJ

Phone: 609/896-0342
Zip Code: 08648

CURRENT POSITION: International Pharmacy Consultant
Employer: Self-Employed

Phone: 609/896-0342

Street and No: 403 Starwood Way
City and State: Lawrenceville, NJ

Zip Code: 08648

PROFESSIONAL SUMMARY: International pharmacy consultant since 1983. Previously served as director of scientific affairs for Excerpta Medica, Inc.; assistant director of accreditation services, director of clinical services, and special interest group coordinator for the American Society of Hospital Pharmacists; editor of ASHP Signal, monthly news sheet; pharmacist and instructor in Australia.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None. Prefers short-term assignments.

LANGUAGES SPOKEN FLUENTLY: English; Spanish; French; Italian.

EDUCATIONAL BACKGROUND: Pharm.D. (pharmacy), 1977; Pharmacy, 1966, Australia.

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; pharmaceutical associations/organizations, communications/media, education and training; maternal and child health; national health policy; public health svcs.; drug epidemiology; pharmacology/toxicology; sociology/psychology.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; procurement; clinical services; prescribing; extemporaneous and small scale bulk compounding; dispensing, drug administration and information; poison control; administration and management; health services marketing; inventory control; logistics planning and management; manpower training and development; research and survey research.

LICENSURE: KY; Australia (1966), reciprocal in commonwealth countries.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Consultant, pharmacy and clinical services, Italy, Aug. 1977/1982, Udine Hospital; pharmacy and clinical services, Kuwait, Nov. 1982, IBN Sina Hospital; national drug list for primary health care, Morocco, Oct. 1983, Management Sciences for Health/USAID; national essential drug program for primary health care, Ethiopia, Feb. 1984, UNICEF/WHO/Government of Italy. Current: project review/development, Yemen, MSH/USAID; Swaziland, Ministry of Health; Sierra Leone, AFRICARE; health, Bolivia, PIHP.

KEY CODES: 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 12, 13, 14, 15, 21, 31, 33,
34, 35, 45, 46, 101, 102, 111, 112, 113, 122, 123, 125, 133, 139, 140

NAME: DRESSMAN, Jennifer B. CITIZENSHIP: Australia RACE: White SEX: F

RESIDENCE ADDRESS: Apartment 21A
Street and No: 555 E. William Phone: 313/663-1197
City and State: Ann Arbor, MI Zip Code: 48104

CURRENT POSITION: Assistant Professor of Pharmacy Phone: 313/763-1032
Employer: University of Michigan
Street and No: College of Pharmacy
City and State: Ann Arbor, MI Zip Code: 48109

PROFESSIONAL SUMMARY: In present position since 1983. Formerly senior research chemist at INTERx Research Corporation; research pharmacist at Burroughs-wellcome Co.; research assistant at the University of Kentucky; and registered pharmacist in Victoria, Australia.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical chemistry), 1981; M.S. (pharmaceutical chemistry), 1979; B.Pharm. (pharmacy), 1975.

MAJOR AREAS OF EXPERTISE: Pharmaceutical education and training; solid pharmaceutical dosage forms; preformulation studies; drug delivery system design.

MAJOR TYPES OF EXPERIENCE: Product research and development; research.

LICENSURE: Victoria, Australia (1976).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Retail and hospital pharmacy practice, Australia, 8 yrs, Victorian College of Pharmacy.

KEY CODES: 11, 45, 112, 163, 199.

NAME: EBERT, William R. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:
Street and No: 4935 62nd Avenue, So. Phone: 813/866-9867
City and State: St. Petersburg, FL Zip Code: 33715

CURRENT POSITION: Pharmaceutical Consultant Phone: 813/866-9867
Employer: Self-Employed
Street and No: 4935 62nd Avenue, So.
City and State: St. Petersburg, FL Zip Code: 33715

PROFESSIONAL SUMMARY: Self-employed since 1982, also serving as director of Florida Centers for Clinical Studies. Former positions include: vice president for research and development, vice president for R&D and quality assurance, and director of R&D and quality assurance with R. P. Scherer Corporation over 10-year period; scientific director, director of pharmaceutical research, assistant director of R&D, director of R&D, and vice president for R&D and quality control for Philips Roxane Laboratories; director of R&D, Lemmon Pharmacal Co.; chief chemist at Vick Chemical Co.; and research associate in pharmacy for Sterling-Winthrop Research Institute.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical chemistry), 1957; M.S. (pharmaceutical chemistry), 1954; B.S. (pharmacy), 1952.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical education and training; pharmaceutical analytical chemistry; veterinary pharmaceuticals; liquid, semi-solid and solid pharmaceutical dosage forms; and pharmaceutical containers and closures.

MAJOR TYPES OF EXPERIENCE: Clinical services; product research and development; manufacturing/production/processing; packaging and labelling; quality control/quality assurance; administration and management; equipment selection, operation and evaluation; logistics planning and management; regulatory compliance and research.

LICENSURE: MI (1953); OH (1960).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Vice president for R&D, Holland, 13 yrs, Philips DuPhar/Philips Roxane; vice president for R&D, Germany and U.K., R. P. Scherer Corporation.

KEY CODES: 03, 11, 12, 13, 14, 21, 28, 29, 34, 43, 44, 45, 104, 113, 138, 155, 161, 162, 163, 171.

NAME: ELowe, Louis N.

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 6440 Gillham Drive
City and State: Memphis, TN

Phone: 901/377-8843
Zip Code: 38134

CURRENT POSITION: N/A

Employer:
Street and No:
City and State:

Phone:

Zip Code:

PROFESSIONAL SUMMARY: (Semi-retired). Has held positions of director of international regulatory affairs for G. D. Searle; director, international R&D (consumer products), Schering-Plough Corp.; director, international research and control, Chesebrough Pond's Inc.; manager, pharmaceutical product development, group leader, product development, and development chemist for American Cyanamid Co. Other positions included Rosenstadt professor in health research pharmacy, University of Ontario; associate professor of pharmacy, Fordham University; and assistant professor of pharmacy, University of Toronto.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: No major constraints foreseen; availability of medical care is important.

LANGUAGES SPOKEN FLUENTLY: English; Arabic.

EDUCATIONAL BACKGROUND: Ph.D (pharmaceutical sciences and chemistry), 1954; M.S. (pharmaceutical sciences and chemistry), 1952; B.S. (pharmacy), 1944.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical education and training; pharmaceutical analytical chemistry; pharmaceutical dosage forms (semi-solid and solid); wholesale pharmacy services.

MAJOR TYPES OF EXPERIENCE: Dispensing; product research and development; quality control/quality assurance; administration and management; regulatory compliance and licensing.

LICENSURE: Ontario, Canada.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Exposure and travel to a wide range of countries, in addition to his most recent private sector industrial positions in the international area.

KEY CODES: 07, 11, 14, 21, 44, 103, 104, 138, 162, 163.

NAME: FABRICANT, Stephen J. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 128 Laurel Street
City and State: Ashland, OR

Phone: 503/488-2361
Zip Code: 97520

CURRENT POSITION: Free Lance consultant

Employer: Self-Employed

Street and No: 128 Laurel Street
City and State: Ashland, OR

Phone: 503/488-2361

Zip Code: 97520

PROFESSIONAL SUMMARY: Has done free-lance short-term consulting since 1981. Prior employment included positions of electronics engineer at the University of California, Litton industries, Stathan Instruments and Beckman Instruments; program analyst, Management Sciences for Health, Kabul, Afghanistan, and Cambridge, MA; vice president and co-founder of consulting firm, Janus Guilo, Inc.; Berkeley CA; personal services contractor, USAID/Syria, and various other consultant-ships.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Time limitation -- 2 to 4 weeks preferred.

LANGUAGES SPOKEN FLUENTLY: English; Arabic; French; and Farsi.

EDUCATIONAL BACKGROUND: M.B.A., 1971; B.S. (engineering), 1964.

MAJOR AREAS OF EXPERTISE: N/A.

MAJOR TYPES OF EXPERIENCE: Cost analysis; distribution and warehousing; equipment selection/operation/evaluation; logistics planning and management; manufacturing/production/processing; packaging and labelling; procurement; project/program planning and design.

LICENSURE: N/A

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Drug supplies, Liberia, 1 mo., JFK Hospital, USAID; ORT, Philippines, 1/2 month, Pritech/AID; ORT, Burma, 1/2 month, Pritech/AID.

KEY CODES: 02, 12, 13, 15, 21, 25, 28, 34, 42, 99.

NAME: REFER, Enrique

CITIZENSHIP: US

RACE: Hispan SEX: M

RESIDENCE ADDRESS:

Street and No: 2183 Stratton Drive
City and State: Rockville, MD

Phone: 301/340-6799
Zip Code: 20854

CURRENT POSITION: Regional Advisor on Drug Control
Employer: Pan American Health Organization
Street and No: 525 - 23rd St. N.W.
City and State: Washington, DC

Phone: 202/861-3000
Zip Code: 20037

PROFESSIONAL SUMMARY: Further information not supplied.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Spanish.

EDUCATIONAL BACKGROUND: Ph.D (pharmacology), 1969; M.Sc. (chemistry).

MAJOR AREAS OF EXPERTISE: National health policy; pharmacology/toxicology; and public health services.

MAJOR TYPES OF EXPERIENCE: Administration and management; drug information; drug selection/formulary development; project/program planning, design and evaluation; quality control/quality assurance.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Consulting on pharmaceuticals, the Americas, 7 yrs. and 9 mos., PAHO/WHO.

KEY CODES: 01, 09, 14, 21, 42, 43, 44, 123, 125, 139.

NAME: FEIR, Milton

CITIZENSHIP: US

RACE: WOC

SEX: M

RESIDENCE ADDRESS:

Street and No: 11 Leroy Street
City and State: Tenafly, NJ

Phone: 201/568-7659
Zip Code: 07670

CURRENT POSITION: Consulting Chemist/Regulatory Affairs
Employer: and Quality Control (Self-employed)
Street and No: 185 Bridge Plaza North
City and State: Fort Lee, NJ

Phone: 201/947-5872
Zip Code: 07024

PROFESSIONAL SUMMARY: Consultant to the pharmaceutical, cosmetic, device, diagnostic, food, chemical and allied industries since 1969. Prior positions have included executive vice president, vice president for Ormont Drug and Chemical Co., Inc.; technical director, Panray Corp.; industrial research chemist for both Kolker Chemical Works, Newark, NJ, and Tennessee Product and Chemical Co., Chemist, Kem Products, Inc., Newark, NJ.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None given.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: M.S. (chemistry); B.S. (chemistry), 1940.

MAJOR AREAS OF EXPERTISE: Biological preparations; industrial pharmacy; pharmaceutical analytical chemistry; pharmaceutical chemicals; pharmaceuticals / diagnostic; pharmaceutical dosage forms (liquid, semi-solid, solid and sterile); pharmaceutical containers, closures; radioisotope and veterinary; raw materials.

MAJOR TYPES OF EXPERIENCE: Facilities design/construction; product research and development; manufacturing/production/processing; packaging and labelling; quality control/quality assurance; distribution and warehousing; administration and management; cost analysis; equipment selection/operation/evaluation; inventory control; logistics planning and management.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Plant audit for GMP compliance, China, 10 days, national export/import corp.; plant audit, Japan, 4 days, Mitsubishi Chemical; preparation of NDA, Norway, 5 days, A/S Apotekernes Laboratories.

KEY CODES: 11, 12, 13, 14, 15, 21, 25, 28, 29, 33, 34, 40, 41, 42, 43, 44, 45,
46, 104, 138, 151, 152, 153, 154, 155, 161, 162, 163, 164, 165, 171.

NAME: FIESE, Eugene F. CITIZENSHIP: US RACE: White SEX: m

RESIDENCE ADDRESS:

Street and No: 3 York Court
City and State: Ledyard, CT

Phone: 203/572-9245
Zip Code: 06339

CURRENT POSITION: Senior Research Investigator

Employer: Pfizer Central Research
Street and No: Eastern Point Road
City and State: Groton, CT

Phone: 203/441-3580

Zip Code: 06340

PROFESSIONAL SUMMARY: Has been with present employer since 1974. Previously employed in the product development department of Parke Davis and Co.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Greater than 8-week duration must be approved by employer.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D (pharmaceutical chemistry), 1974; M.S. (pharmacy), 1966; B.S. (pharmacy), 1967.

MAJOR AREAS OF EXPERTISE: Biopharmaceutics/pharmacokinetics; industrial pharmacy; pharmaceutical education and training; pharmaceutical analytical chemistry; solid pharmaceutical dosage forms; veterinary pharmaceuticals.

MAJOR TYPES OF EXPERIENCE: Equipment selection/operation/evaluation; manpower training and development and research; product research and development; research.

DISCIPLINE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Summer intern, Holland, 1 mo.

KEY CODES: 11, 28, 35, 45, 104, 112, 131, 138, 155, 163.

NAME: LURCY, Klaus G.

CITIZENSHIP: US

RACE: white SEX: M

RESIDENCE ADDRESS:

Street and No: 151 Loomis Court
City and State: Princeton, NJ

Phone: 609/901-5809
Zip Code: 05540

CURRENT POSITION: Director, Analytical Research and Devt. Phone: 201/545-9827
Employer: E.R. Scuibb and Sons
Street and No: P.O. Box 191
City and State: New Brunswick, NJ Zip Code: 08903

PROFESSIONAL SUMMARY: Has been with present employer since 1954, formerly as a research assistant and later in present position. Previous positions include research chemist with Merck and Co.; and assistant organic chemist with I.G. Farben, Germany.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Negotiable.

LANGUAGES SPOKEN FLUENTLY: English; French; German.

EDUCATIONAL BACKGROUND: Ph.D. (chemistry), 1954.

MAJOR AREAS OF EXPERTISE: Natural product medicinal chemistry; and pharmaceutical analytical chemistry.

MAJOR TYPES OF EXPERIENCE: Quality control/quality assurance; research and commercial standard setting.

LICENSURE: None; a chemist.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Member of Expert Advisory Panel for the International Pharmacopeia, Geneva, Switzerland, since 1978, WHO.

KEY CODES: 14, 45, 99, 136, 138.

NAME: FONG, Harry H. S.

CITIZENSHIP: US

RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 751 Highview Avenue
City and State: Glen Ellyn, IL

Phone: 312/469-7158
Zip Code: 60137

CURRENT POSITION: Professor/Director of Pharmacognosy
Employer: University of Illinois

Street and No: College of Pharmacy (833 S. Wood St.)
City and State: Chicago, IL

Phone: 312/996-5972

Zip Code: 60612

PROFESSIONAL SUMMARY: Has been with present institution since 1970 in positions of associate professor and professor of pharmacognosy, Department of Pharmacognosy and pharmacology, acting director and director, University of Illinois Pharmacognosy and Horticulture Field Station, and associate director of the Program for Collaborative Research in the Pharmaceutical Sciences. Other positions have been associate professor of pharmacognosy and research, assistant professor of pharmacognosy, Department of Pharmacognosy, School of Pharmacy, University of Pittsburgh. Has served as consultant to the Amazon Natural Products Co., Coca Cola Co., WHO, and World Bank; and associate editor of Pharmacognosy Titles.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Two to three months per year.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacognosy), 1965; M.S. (pharmacognosy), 1961; B.S. (pharmacy), 1959.

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; pharmaceutical association/organization; pharmaceutical education and training; folk remedies/herbal medicines; natural product medicinal chemistry.

MAJOR TYPES OF EXPERIENCE: Procurement/purchasing; extemporaneous compounding; dispensing; administration and management; project/program planning and design; research.

LICENSURE: PA (1959); IL (1974).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Consultant/research training, Hong Kong, 6 mos., WHO; temporary advisor/research site visitor, Nigeria, 5 days, Ghana, 5 days, Korea, 1 mo., Thailand, 1 wk., Sri Lanka, 1 wk., Switzerland, 1 mo., China, 2 wks., all for WHO; advisor site visitor, China, 1 wk., World Bank; consultant/research training, Hong Kong, 6 mos., WHO.

KEY CODES: 02, 05, 07, 21, 42, 45, 101, 102, 111, 113, 135, 136.

NAME: FOREMAN, Patricia L.

CITIZENSHIP: US

RACE: White SEX: F

RESIDENCE ADDRESS:

Street and No: 1912 Stanley Avenue
City and State: Rockville, MD

Phone: 301/468-2414
Zip Code: 20851

CURRENT POSITION: President

Employer: Professional Systems and Information
Street and No: P.O. Box 638
City and State: Rockville, MD

Phone: 301/468-2414
Zip Code: 20851

PROFESSIONAL SUMMARY: Has been with present employer since 1983. Prior experience includes positions of associate instructor of pharmacology at Indiana University School of Nursing; presidential executive management intern for the FDA, centers for disease control and the Agency for International Development; science officer for the United Nations International Narcotics Control Board, Vienna, Austria; health science administrator for the FDA; consultant with the National Academy of Public Administration; consultant for AID; and pharmacist in various hospital and retail pharmacies.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Prefers short-term assignments of one to eight weeks.

LANGUAGES SPOKEN FLUENTLY: English; French; some Spanish.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacy), 1982; M.P.A. (administration), 1978; B.S. (pharmacy), 1974; B.Sc. (animal science), 1973.

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; pharmaceutical education and training; national health policy; nutrition; public health services; computer sciences; economics; folk remedies/herbal medicines; veterinary pharmaceuticals; international drug control; national drug regulation.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; procurement; clinical services; extemporaneous and small scale bulk compounding; dispensing; drug administration; drug information; distribution and warehousing; administration and management; cost analysis; inventory control; logistics planning and planning and management; project/program planning, design and evaluation.

LICENSURE: IN (1974); TX (1976); MD (1980).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Science officer, Austria, 6 mos., United Nations International Narcotics Control Board; science officer, Mauritius, 1 mo., UN International Narcotics Control Board; pharmacy systems consultant, Grenada, 1 mo., AID; traveled in Zaire, Kenya, Seychelles, Barbados, Switzerland, Greece, France, Canada, and Portugal.

KEY CODES: 01, 02, 03, 05, 06, 07, 08, 09, 16, 21, 25, 33, 34, 35, 41, 42, 43,
44, 99, 101, 102, 111, 113, 124, 125, 132, 134, 135, 155, 199.

NAME: SUDRMAN, Gary L.

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 5666 Powderhorn
City and State: Kalamazoo, MI

Phone: 616/372-1246
Zip Code: 49009

CURRENT POSITION: Int'l Mfg. Technical Specialist
Employer: The Upjohn Co.

Phone: 616/323-4063

Street and No: 7000 Portage Road
City and State: Kalamazoo, MI

Zip Code: 49001

PROFESSIONAL SUMMARY: Has been with present company since 1978 as developmental pharmacist as well as present position. Other experience includes teaching assistant at Purdue University; production operator at Lafayette Pharmaceuticals in Lafayette, Indiana; US Public Health Service COSTEP officer assigned to the FDA; and community pharmacist.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Length of time.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: B.S. (pharmacy), 1978.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; sterile pharmaceutical dosage forms.

MAJOR TYPES OF EXPERIENCE: Small scale bulk compounding; product research and development; manufacturing/production/processing; equipment selection/operation/evaluation; facilities design/construction; project/program planning and design.

LICENSES: IN (1978); MI (1979).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Manufacturing startup, Taiwan, 11 wks., Upjohn Co.; sterile products manufacturing, Korea, Indonesia, Brazil, Mexico, South Africa, and Belgium.

KEY CODES: 06, 11, 12, 28, 29, 42, 104, 164.

NAME: FOYE, William Owen CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 7 Winchester Drive
City and State: Lexington, MA

Phone: 617/862-4077

Zip Code: 02173

CURRENT POSITION: Sawyer Prof. of Pharmaceutical Sciences Phone: 617/732-2931

Employer: Massachusetts College of Pharmacy

Street and No: and Allied Health Sciences

City and State: Boston, MA

Zip Code: 02115

PROFESSIONAL SUMMARY: Has been with present institution since 1955 in positions of associate professor and professor of chemistry, chairman of chemistry department, director of research, dean of faculty, and dean of graduate studies. Previous positions include instructor and assistant professor of pharmaceutical chemistry, University of Wisconsin, and research chemist for DuPont Co.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Limited to 10 weeks or less.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (organic chemistry), 1948; M.A. (organic chemistry), 1944; A.B. (chemistry), 1943.

MAJOR AREAS OF EXPERTISE: Pharmaceutical education and training; synthetic medicinal chemistry; pharmaceutical analytical chemistry.

MAJOR TYPES OF EXPERIENCE: Product research and development; research.

LICENSURE: N/A; a chemist.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Lecturer on drug industry, Egypt, 2 mos., India, 1 mos., Thailand, 1 mos., NSF travel grant.

KEY CODES: 11, 45 ,99, 113, 137 ,138.

NAME: FURGIUELE, Angelo R. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 93 Woodstone Lane
City and State: Villa Nova, PA

Phone: 215/527-1787
Zip Code: 19085

CURRENT POSITION: Director of Int'l Scientific Affairs
Employer: McNeil Pharmaceutical
Street and No:
City and State: Spring House, PA

Phone: 215/628-5034
Zip Code: 19477

PROFESSIONAL SUMMARY: Has been with present employer since 1971 in positions of senior project coordinator, new products marketing division; international technical director; director, international new products development, Latin America and Pacific, prior to present position. Other prior positions include senior senior research pharmacologist and director, biological research, E. R. Squibb and Sons, Inc.; manager of retail/hospital pharmacy; and USMC corpsman.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Italian.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacology), 1962; M.S. (pharmacology), 1959; B.S. (pharmacy/chemistry), 1951.

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; medicinal chemistry, natural products; pharmacology/toxicology.

MAJOR TYPES OF EXPERIENCE: Product research and development; import/export management; project/program planning, design and evaluation; regulatory compliance and licensing.

LICENSURE: PA (1951); NJ (1963).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Negotiating licensing, supply and technology agreements, Japan, various time periods, McNeil Pharmaceutical; served in positions with current employer in international activities since 1972.

KEY CODES: 11, 32, 42, 43, 44, 101, 102, 136, 139.

NAME: GAGNON, Jean P. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 2441 Springview Trail Phone: 919/989-4727
City and State: Chapel Hill, NC Zip Code: 27514

CURRENT POSITION: Professor and Head, Div. of Pharm. Adm. Phone: 919/962-0076
Employer: School of Pharmacy, 200H Beard Hall
Street and No: University of North Carolina
City and State: Chapel Hill, NC Zip Code: 27514

PROFESSIONAL SUMMARY: Has been with the University of North Carolina at Chapel Hill since 1975.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacy administration), 1971; M.S. (pharmacy administration), 1968; B.S. (pharmacy), 1963.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; hospital/institutional pharmacy services; pharmaceutical education and training; computer sciences; drug epidemiology; and economics.

MAJOR TYPES OF EXPERIENCE: Administration and management; advertising and promotion; cost analysis; dispensing; health services marketing; inventory control; marketing and sales; market research; project/program planning, design and evaluation; research; small scale bulk compounding; and survey research.

LICENSURE: CT (1963); NC (1982).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Prescription pricing, Bahamas, 1 wk., local pharmacy.

KEY CODES: 6, 07, 21, 23, 25, 31, 33, 37, 38, 42, 43, 45, 46, 101, 102, 112, 132, 133, 134.

NAME: BAKENHEIMER, Walter C. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:
Street and No: 413 Stafford Road Phone: 302/655-2513
City and State: Wilmington, DE Zip Code: 19803

CURRENT POSITION: Manager of Quality Assurance Phone: 302/575-8095
Employer: Stuart Pharmaceuticals
Street and No:
City and State: Wilmington, DE Zip Code: 19897

PROFESSIONAL SUMMARY: Has been with present employer since 1957. Retirement scheduled for August 1, 1984. Has worked with Stuart Pharmaceuticals from 1977 to 1984; has served as a GLP lecturer and panelist; was marketing manager for pharmaceutical bulk chemicals for Merck and Co., after serving there in the pharmaceutical research organization; was administrative vice president of the Stuart Company from 1959 to 1963; has served mainly in the international and regulatory areas.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None after August 1, 1984.

LANGUAGES SPOKEN FLUENTLY: English; some German.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical chemistry and pharmacology), 1942; M.S. (pharmaceutical chemistry and pharmacology), 1941; B.S. (pharmacy), 1938.

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; industrial pharmacy; pharmaceutical education and training; synthetic medicinal chemistry; pharmaceutical analytical chemistry; pharmacology/toxicology; raw materials pharmaceutical chemistry; veterinary pharmaceuticals; liquid, semi-solid, solid, and sterile pharmaceutical dosage forms.

MAJOR TYPES OF EXPERIENCE: Extemporaneous and small scale bulk compounding; dispensing; drug administration and information; product research and development; manufacturing/production/processing; packaging and labeling; quality control/quality assurance; administration and management; equipment engineering/manufacture/selection/operation/evaluation; research.

LICENSURE: MD (1938); DE (1979).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Established pharmaceutical manufacturing operation, India, 12 mos., subsidiary of Atlas Chemical Industries, Inc., Stuart Division; established pharmaceutical manufacturing operation, Latin America, 6 mos., ICI Pharmacy Division; established pharmaceutical manufacturing operation, Bangladesh, 1 mo., ICI Pharmacy Division; product licensing, Europe, 12 mos., Stuart; Product licensing, Japan, 6 mos., Stuart.

KEY CODES: 05, 06, 07, 08, 09, 11, 12, 13, 14, 21, 27, 28, 29, 32, 35, 38, 41, 42, 43, 44, 45, 99, 101, 102, 104, 113, 137, 138, 139, 151, 155, 161, 162, 163, 164, 199.

NAME: GIBSON, Robert D. CITIZENSHIP: US RACE: Black SEX: M

RESIDENCE ADDRESS:

Street and No: 7 Wentworth Lane
City and State: Novato, CA

Phone: 415/883-9431
Zip Code: 94947

CURRENT POSITION: Assoc. Vice Chancellor/Registrar
Employer: University of California, San Francisco
Street and No: 520 Parnassus Avenue
City and State: San Francisco, CA

Phone: 415/666-4773
Zip Code: 94143

PROFESSIONAL SUMMARY: Has worked with present employer since September of 1949. Serves presently as associate vice chancellor for student academic affairs and registrar. Previously associate dean for student affairs and director, pharmacy technology laboratory, School of Pharmacy, UCLA; recently served as president of the American Association of Colleges of Pharmacy.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Pharm.D. (pharmacy), 1958; B.S. (pharmacy), 1954; B.A. (chemistry), 1949.

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; industrial pharmacy; pharmaceutical association/organization; pharmaceutical education and training; national health policy; raw materials/pharmaceutical chemicals; and liquid, semi-solid, solid, and sterile dosage forms.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; procurement; extemporaneous and small scale bulk compounding; dispensing; drug information; product research/development; manufacturing/production/processing; packaging/labeling; quality control/quality assurance; administration and management; cost analysis; manpower training and development.

LICENSURE: CA (1954).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Visiting professor, Egypt, 12 mos., Fulbright Award.

KEY CODES: 01, 02, 05, 06, 07, 09, 11, 12, 13, 14, 21, 25, 35, 101, 102, 104,
111, 112, 113, 123, 151, 161, 162, 163, 164.

NAME: GORHAM, David Leroy CITIZENSHIP: US RACE: Black SEX: M

RESIDENCE ADDRESS:
Street and No: 1705 38th Street S.E. Phone: 202/575-2071
City and State: Washington, DC Zip Code: 20020

CURRENT POSITION: Pharmacist Phone: 301/773-2000
Employer: Gray Drug Fair
Street and No: 7778 Landover Road
City and State: Landover, MD Zip Code: 20785

PROFESSIONAL SUMMARY: Has worked for present employer since February 1965. Has had 10 years of experience as a pharmacist. Has served as pharmacist/manager for Drug Fair for six years; is an army trained cryptographer; from 1974 to present has served as pharmacist for Gray Drug Fair in Landover, MD; served as pharmacist/manager for 1 year for Drug Fair in Arlington, Va.; has served as pharmacist/manager for other Drug Fairs; and was assistant manager, partner, and trainee at other pharmacies as well.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: B.S. (pharmacy), 1960.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; nutrition; economics; synthetic medicinal chemistry; pharmaceutical analytical chemistry; pharmacology/toxicology; dental and diagnostic pharmaceuticals; liquid, semi-solid and solid pharmaceutical dosage forms; biological preparations; pharmaceutical containers, closures.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; procurement; clinical services; prescribing; extemporaneous and small scale bulk compounding; dispensing; drug administration and information; administration and management; advertising and promotion; health services marketing; export/import management; inventory control; marketing and sales; market research.

LICENSURE: IN (1961); VA (1965); DC (1965); MD (1973).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: US Army, Korea, Japan and Germany, 1 yr. each.

KEY CODES: 01, 02, 03, 04, 05, 06, 07, 08, 09, 21, 23, 31, 32, 33, 37, 38, 101, 124, 134, 137, 138, 139, 152, 153, 161, 162, 163, 165, 171.

NAME: GUILLORY, James Keith CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 702 Carriage Hill #6 Phone: 319/338-5564
City and State: Iowa City, IA Zip Code: 52240

CURRENT POSITION: Professor of Pharmacy
Employer: University of Iowa
Street and No: College of Pharmacy
City and State: Iowa City, IA

Phone: 319/353-3169
Zip Code: 52242

PROFESSIONAL SUMMARY: Has been with present institution since 1964.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacy), 1961; M.S. (pharmacy), 1960; B.S. (pharmacy), 1956.

MAJOR AREAS OF EXPERTISE: Pharmaceutical chemicals/raw materials; liquid, semi-solid and solid pharmaceutical dosage forms.

MAJOR TYPES OF EXPERIENCE: Product research and development; quality control/quality assurance; research.

LICENSURE: LA (1956).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Lectured to personnel from industry and universities on stability in pharmaceuticals, Venezuela, 6 wks., USAID; lectured to personnel from industry and universities on research in pharmaceuticals, Venezuela, 4 wks., Central University, Caracas, Venezuela.

KEY CODES: 11, 14, 45, 151, 161, 162, 163.

NAME: GUPTA, Brij M. CITIZENSHIP: India RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 16 Astor Place
City and State: Glen Ridge, NJ

Phone: 201/429-8151
Zip Code: 07028

CURRENT POSITION: Manager of Laboratory Research
Employer: Schering-Plough Corporation
Street and No: 2000 Galloping Hill Road
City and State: Kenilworth, NJ

Phone: 201/558-4937

Zip Code: 07033

PROFESSIONAL SUMMARY: Has been with present employer since 1973. Prior experience includes positions of adjunct associate professor at Arnold and Marie Schwartz College of Pharmacy, New York, NY; assistant manufacturing chemist with Allied Chemicals Manufacturing Co., Meerut, India; and senior scientist with scientist with Schering-Plough Corporation, Bloomfield, NJ.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Hindi.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutics), 1973; M.S. (pharmaceutics), 1968.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical education and training; biopharmaceutics/pharmacokinetics; pharmaceutical analytical chemistry and liquid, semi-solid, solid, sterile and aerosol pharmaceutical dosage forms.

MAJOR TYPES OF EXPERIENCE: Product research and development; manufacturing/production/processing; quality control/quality assurance; administration and management; regulatory compliance and licensing; research.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Assistant manufacturing chemist, India, 2 yrs.

KEY CODES: 11, 12, 14, 21, 44, 45, 104, 113, 131, 138, 161, 162, 163, 164, 199.

NAME: GUPTA, Santosh K. CITIZENSHIP: India RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 11 George Street
City and State: Bloomfield, NJ

Phone: 201/338-7389
Zip Code: 07003

CURRENT POSITION: Manager Int'l Pharm. Market Research
Employer: Bristol-Myers Company
Street and No: 345 Park Avenue
City and State: New York, NY

Phone: 212/546-3129
Zip Code: 10154

PROFESSIONAL SUMMARY: Has been with present employer since 1983. Other experience includes working with the Schering-Plough Corporation in the international pharmaceuticals division for four years, and as manager of international laboratory research services; serving as senior market research associate, working with marketing managers, for three years; working in the pharmaceutical research division; as principal scientist of sterile products; and as senior scientist of of ophthalmic and otic products. Has also held part-time positions at Seton University, the University of North Carolina Hospital, and the University of Michigan, among others.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Approval of present employer is necessary.

LANGUAGES SPOKEN FLUENTLY: English; Hindi.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacy), 1969; M.B.A. (marketing), 1976; M.S. (pharmacy), 1965; B.S. (pharmacy), 1963; B.S. (chemistry), 1960.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; drug epidemiology; liquid, semi-solid, solid and sterile pharmaceutical dosage forms.

MAJOR TYPES OF EXPERIENCE: Market research; product research and development; project/program evaluation; survey research.

LICENSURE: None.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Pharmaceutical market research, free world international countries, 4 yrs., Bristol-Myers and Schering-Plough; new product development, free world countries, 10 yrs, Schering-Plough.

KEY CODES: 11, 38, 43, 46, 104, 133, 161, 162, 163, 164.

NAME: HAGER, George P. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: #2 Road's End
City and State: Pittsboro, NC

Phone: 919/942-5721
Zip Code: 27312

CURRENT POSITION: Professor/Dean-Emeritus

Employer: University of N. C. at Chapel Hill
Street and No: College of Pharmacy, Beard Hall 200H
City and State: Chapel Hill, NC

Phone: 919/962-0059
Zip Code: 27514

PROFESSIONAL SUMMARY: Retired after employment at UNC pharmacy school from 1966 to 1981. Was dean and professor of medicinal chemistry at UNC pharmacy school; assistant professor of inorganic and organic chemistry, and professor of pharmaceutical chemistry and head of department at the University of Maryland School of Pharmacy; senior scientist and head of structure-activity coordination unit at Smith, Kline and French Laboratories; and research organic chemist for Eli Lilly and Co. Also consulted extensively during his professional career.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Not available for more than 6 weeks.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical chemistry/pharmacology), 1942; M.S. (pharmaceutical chemistry), 1940; B.S. (pharmacy), 1938.

MAJOR AREAS OF EXPERTISE: Pharmaceutical education and training; public health service; synthetic medicinal chemistry; drug information; documentation of research, information and data for storage/analysis/retrieval purposes.

MAJOR TYPES OF EXPERIENCE: Administration and management; drug information; manpower training and development; manpower need and use determination; product research and development; research.

LICENSURE: MD (1938); MN (1957); NC (1966).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Pharmacy survey team, Vietnam, 1 mo., AID; consultant, Iran, 1 mo., University of Tehran; national civilian consultant in pharmacy, US Air Force, 9 yrs.; consultant, US Army, 3 yrs., CIOS Program.

KEY CODES: 09, 11, 21, 35, 45, 99, 113, 125, 137, 199.

NAME: HAINES, Bernard A. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 11 Shadowstone
City and State: Lawrenceville, NJ

Phone: 609/896-9725
Zip Code: 08648

CURRENT POSITION: Manager of Int'l Regulatory Affairs
Employer: Ortho Pharmaceutical Corporation
Street and No: Route 202
City and State: Raritan, NJ

Phone: 201/524-1450
Zip Code: 08869

PROFESSIONAL SUMMARY: Has been with present employer since 1982. Served as director of regulatory affairs at Ayerst Laboratories; director and scientific director of international regulatory affairs for E. R. Squibb and Sons, director of technology development and documentation, director of product development, scientific overseas coordinator of chemistry, and senior regulatory research scientist.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (physical pharmacy), 1960; M.S. (biochemistry), 1958.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; industrial pharmacy; pharmaceutical association/organization; biopharmaceutics/pharmacokinetics; pharmaceutical analytical chemistry; pharmacology/toxicology; liquid, sterile, semi-solid, and solid pharmaceutical dosage forms; int'l. regulatory affairs.

MAJOR TYPES OF EXPERIENCE: Administration and management; clinical services; drug administration, information and selection/formulary development; extemporaneous compounding; dispensing; packaging/labeling; product research and development; organization development; quality control/quality assurance; regulatory compliance and licensing; research; small scale bulk compounding.
LICENSURE: PA (1953).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Has visited every major country and consulted in regulatory affairs in over 20 countries for the last 16 years.

KEY CODES: 01, 03, 05, 06, 07, 08, 09, 11, 13, 14, 21, 41, 44, 45, 101, 104,
111, 131, 138, 139, 161, 162, 163, 164, 199.

NAME: HAJRATWALA, Bhupendra R. CITIZENSHIP: US RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 43805 Hanford Road Phone: 313/453-5049
City and State: Canton, MI Zip Code: 48187

CURRENT POSITION: Associate Professor of Pharmaceutics Phone: 313/577-1389
Employer: Wayne State University
Street and No: College of Pharmacy, 515 HSB
City and State: Detroit, MI Zip Code: 48202

PROFESSIONAL SUMMARY: Has been with current employer since 1979. Prior experience as visiting professor in pharmaceutics at the University of Iowa; senior lecturer in pharmaceutics at the University of Otago, Dunedin, New Zealand; director of research at Invenex Pharmaceuticals; and analytical chemist at G. Burr and Company.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Hindi.

EDUCATIONAL BACKGROUND: Ph.D. (physical pharmacy), 1970; M.S. (industrial pharmacy), 1965; B.Pharm. (pharmacy), 1962.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical education and training; biopharmaceutics/pharmacokinetics; liquid, semi-solid, solid and sterile pharmaceutical dosage forms.

MAJOR TYPES OF EXPERIENCE: Administration and management; dispensing; drug selection/formulary development; equipment selection/operation/evaluation; extemporaneous and small scale bulk compounding; manufacturing/production/processing; organization development; product research and development; project/program planning/design/evaluation; quality control/quality assurance; research.
LICENSURE: New Zealand.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Senior lecturer in pharmaceutics, consulting for various companies, New Zealand, 6 years, University of Otago.

KEY CODES: 01, 05, 06, 07, 11, 12, 14, 21, 28, 41, 42, 43, 45, 46, 104, 113,
131, 161, 162, 163, 164.

NAME: HARDER, Samuel W. CITIZENSHIP: Canada RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 614 Grandview Drive Phone: 201/369-5047
City and State: Neshanic Station, NJ Zip Code: 08853

CURRENT POSITION: Group Leader of Process Development Phone: 201/524-1301
Employer: Ortho Pharmaceutical Corporation
Street and No: Route 202
City and State: Raritan, NJ Zip Code: 08869

PROFESSIONAL SUMMARY: Has been with present firm since 1978. Has been a group leader of pharmaceutical research and development at Merck-Frosst Research Laboratories; manager of pharmacy research and development at Abbott Laboratories; worked at International Red Cross; hospital pharmacist at Queen Elizabeth Hospital, Nigeria; pharmacist at University Hospital and College of Pharmacy at the University of Saskatchewan; and liquid and solid dosage form development scientist with Charles E. Frosst and Company, Canada. Has authored two patents (long-acting and coated pharmaceutical tablets).

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutics), 1971; B.A. (biology), 1955; B.S. (pharmacy), 1956.

MAJOR AREAS OF EXPERTISE: Hospital/institutional pharmacy services; industrial pharmacy; liquid, semi-solid, solid and sterile pharmaceutical dosage forms.

MAJOR TYPES OF EXPERIENCE: Procurement; extemporaneous and small scale bulk compounding; product research and development; manufacturing/production/processing; emergency relief services.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Hospital pharmacy, Nigeria, 5 1/2 yrs., Presbyterian Church in Canada/Nigerian Government; central buying and manufacturing, Nigeria, 6 yrs., Presbyterian Church in Canada/Nigerian Government; drug procurement for emergency relief, Nigeria, 3 mos., World Council of Churches and International Red Cross.

KEY CODES: 02, 05, 06, 11, 12, 99, 104, 161, 162, 163, 164.

NAME: HAUSMANN, Werner Karl

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 4610 Sandringham Drive
City and State: Columbus, OH

Phone: 614/457-8133
Zip Code: 43220

CURRENT POSITION: Director of Analytical R and D
Employer: Adria Laboratories, Inc.

Phone: 614/764-8155

Street and No: 5000 Post Road
City and State: Dublin, OH

Zip Code: 43017

PROFESSIONAL SUMMARY: Has been with present company since 1974, serving as director of quality assurance and analytical research and development for Adria Laboratories. Was also director of quality assurance at Stuart Pharmaceuticals, division of ICI America, Inc.; director of quality control at Ayerst Laboratories, division of American Home Products Corporation; senior scientist and group leader at Lederle Laboratories, division of American Cyanamid Company; assistant and associate in biochemistry at Rockefeller Institute for Medical Research.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Available only on weekends or evenings.

LANGUAGES SPOKEN FLUENTLY: English; Swiss German; German.

EDUCATIONAL BACKGROUND: M.S. (chemical engineering), 1945; D.Sc. (pharmaceutical chemistry), 1947.

MAJOR AREAS OF EXPERTISE: Natural product medicinal chemistry; pharmaceutical analytical chemistry; pharmaceutical chemicals/raw materials; diagnostic pharmaceuticals; liquid, semi-solid, solid and sterile pharmaceutical dosage forms; pharmaceutical containers, closures; manufacturing/control in FDA submissions.

MAJOR TYPES OF EXPERIENCE: Packaging and labeling; quality control/quality assurance; administration and management; manpower training and development; organization development; project/program planning and design; regulatory compliance; research; development of analytical instruments.

LICENSURE: None in pharmacy; ASQC certified quality engineer.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Analytical research and development, quality control and assurance, new drug submissions, and compliance with government regulations, Switzerland, Germany and England.

KEY CODES: 13, 14, 21, 35, 41, 42, 44, 45, 99, 136, 138, 151, 153, 161, 162,
163, 164, 171, 199.

NAME: HEDGE, James Edward CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 989 Pleasant Street
City and State: Worcester, MA

Phone: 617/752-0493
Zip Code: 01602

CURRENT POSITION: Manager of Component & Process Control
Employer: Astra Pharmaceutical Products
Street and No: 50 Otis Street
City and State: Westboro, MA

Phone: 617/366-1100
Zip Code: 01581

PROFESSIONAL SUMMARY: Has been with present company since 1975. No further information supplied.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; French.

EDUCATIONAL BACKGROUND: M.S. (biology/infectious disease immunology), 1977; B.S. (pharmacy), 1972.

MAJOR AREAS OF EXPERTISE: Hospital/institutional pharmacy services; industrial pharmacy; pharmaceutical education and training; folk remedies/herbal medicines; pharmaceutical chemicals/raw materials; dental pharmaceuticals; liquid, semi-solid and sterile dosage forms; and pharmaceutical containers and closures.

MAJOR TYPES OF EXPERIENCE: Small scale bulk compounding; dispensing; manufacturing/production/processing; packaging and labeling; quality control/quality assurance; distribution and warehousing; equipment engineering/manufacture; facilities design/construction; manpower training and development.

LICENSURE: MA (1972); NH (1972).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Evaluating sterile pharmaceutical dosage forms, manufacturing and recommending establishment of good manufacturing procedures (GMPs), Indonesia, 2 mos., WHO.

KEY CODES: 06, 07, 12, 13, 14, 15, 27, 29, 35, 102, 104, 113, 135, 151, 152,
161, 162, 164, 171.

NAME: HEMAN-ACKAH, Samuel M. CITIZENSHIP: Ghana RACE: Black SEX: M

RESIDENCE ADDRESS:

Street and No: 1207 Gresham Road
City and State: Silver Spring, MD

Phone: 301/384-8265
Zip Code: 20904

CURRENT POSITION: Professor/Chairman, Dept. of Pharmacy
Employer: Howard University College of Pharmacy
Street and No: and Pharmaceutical Sciences
City and State: Washington, DC

Phone: 202/636-6552
Zip Code: 20059

PROFESSIONAL SUMMARY: Has been with present institution since 1973. Has served in numerous positions at Howard University, including assistant dean for academic affairs, academic advisor to second-, third-, and fourth-year pharmacy students. Previously, he was associate professor and assistant dean at the Florida A and M University School of Pharmacy and a post-doctoral research associate in pharmacokinetics at the University of Florida College of Pharmacy. Earlier, he served as lecturer, senior lecturer, associate professor and acting head of the Department of Pharmaceutics at the University of Science and Technology, Kumasi, Ghana.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Twi (Ghanaian dialect).

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutics), 1965; B.Pharm. (pharmacy), 1954.

MAJOR AREAS OF EXPERTISE: Pharmaceutical education and training; liquid, semi-solid, solid and sterile pharmaceutical dosage forms; pharmaceutical containers, closures.

MAJOR TYPES OF EXPERIENCE: Extemporaneous and small scale bulk compounding; dispensing; administration and management; manpower training and development; project/program planning/design/evaluation; research.

LICENSURE: Great Britain; Ghana.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Manufacturing, wholesale and retail pharmacy, Ghana, 4 yrs., Asubonteng Brothers.

KEY CODES: 05, 06, 07, 21, 35, 42, 43, 45, 113, 161, 162, 163, 164, 171.

NAME: HERZ, Joseph Edward CITIZENSHIP: US RACE: Hispan SEX: M

RESIDENCE ADDRESS:

Street and No: Albatros 24, Las Arboledas Phone: 203/225-9075
City and State: Edo Mexico, Mexico Zip Code: 54500

CURRENT POSITION: Visiting Professor

Phone: 203/674-2869

Employer: University of Connecticut

Street and No: Health Center Dept. of Nuclear Medicine
City and State: Farmington, CT Zip Code: 06032

PROFESSIONAL SUMMARY: Has been with present institution since 1983. Other experience includes titular professor CIEA-IPN, Mexico; teaching fellow in general organic chemistry at Harvard University; acting head and head of Department of Chemistry and supervised M.Sc. and D.Sc. theses, CIEA-IPN; research professor of biotechnology at the Institute for Biomedical Research; director of chemical development; research associate for chemical research at E. R. Squibb and Sons; and research assistant in cancer chemotherapy at Harvard University.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Spanish; French; and German.

EDUCATIONAL BACKGROUND: Ph.D. (steroid chemistry), 1952; M.A. (organic chemistry), 1950; B.Sc. (chemistry), 1947.

MAJOR AREAS OF EXPERTISE: Natural product medicinal chemistry; synthetic medicinal chemistry; raw materials pharmaceutical chemicals; radioisotope pharmaceuticals.

MAJOR TYPES OF EXPERIENCE: Product research and development; research.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Director of process development, Mexico, 6 yrs., Syntex Pharmaceutical Company; teaching and research at the graduate level, Mexico, 18 yrs., National Polytechnical Institute and National Autonomous University; consultant, Mexico, 1 yr., Cordemex SA.

KEY CODES: 11, 45, 136, 137, 151, 154.

NAME: HILLER, David Morris

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 04 East Bonita Drive
City and State: Simi Valley, CA

Phone: 805/522-3424
Zip Code: 93065

CURRENT POSITION: Manufacturing Technology Supervisor
Employer: Riker Laboratories - 3M
Street and No: 19901 Nordhoff Street
City and State: Northridge, CA

Phone: 818/709-3198
Zip Code: 91328

PROFESSIONAL SUMMARY: Has been employed with present company since 1978. Previously served as product general supervisor and advanced research pharmacist at Riker Laboratories; and pharmacy intern at the Hennepin County Medical Center.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: B.A. (pharmacy), 1978.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; liquid, solid and sterile pharmaceutical dosage forms; aerosol dosage forms.

MAJOR TYPES OF EXPERIENCE: Product research and development; manufacturing/production/processing; administration and management; cost analysis; equipment selection/operation/evaluation; regulatory compliance and licensing; research.

LICENSURE: MN (1978).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Limited: travel to and interaction with personnel at company facilities abroad in the United Kingdom, France, Germany and Australia.

KEY CODES: 11, 12, 21, 25, 28, 44, 45, 104, 161, 163, 164, 199.

NAME: HOFFNAGLE, George F. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 84 Driverbend Road
City and State: Stratford, CT

Phone: 203/378-7315
Zip Code: 06497

CURRENT POSITION: Consultant
Employer: Self-Employed
Street and No: 84 Driverbend Road
City and State: Stratford, CT

Phone: 203/378-7315
Zip Code: 06497

PROFESSIONAL SUMMARY: Prior experience includes: research associate for Sharpe and Dohme, research division; director of development at Henry K. Wampole and Co.; director of development and director of product research and development at Vicks research and development; American and Canadian scientific and regulatory specialist; vice president for scientific and regulatory affairs, research and development supervisor, and consultant for Vicks Health Care Division.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Unavailable for full-time employment on continuing basis.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: D.Sc. (pharmaceutical chemistry), 1956; M.S. (pharmacology), 1948; B.S. (pharmacy), 1943.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; pharmaceutical associations/organizations; pharmaceutical analytical chemistry; pharmacology/toxicology; pharmaceutical chemicals/raw materials; radioisotope pharmaceuticals; liquid, semi-solid, solid and sterile dosage forms; containers, closures.

MAJOR TYPES OF EXPERIENCE: Extemporaneous and small scale bulk compounding; dispensing; drug administration; drug information; product research and development; packaging and labelling; quality control/quality assurance; administration and management; regulatory compliance and licensing; research.

LICENSURE: PA (1943).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Scientific and regulatory affairs, Canada, 10 yrs., Vick Chemical Company.

KEY CODES: 05, 06, 07, 08, 09, 11, 13, 14, 21, 44, 45, 101, 111, 138, 139, 151, 154, 161, 162, 163, 164, 171.

NAME: HONIGBERG, Irwin Leon CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 180 Revenwood Court
City and State: Athens, GA

Phone: 404/548-4637
Zip Code: 30605

CURRENT POSITION: Professor of Medicinal Chemistry
Employer: University of Georgia
Street and No: College of Pharmacy
City and State: Athens, GA

Phone: 404/542-4410
Zip Code: 30602

PROFESSIONAL SUMMARY: Has been with present institution since 1964 and in present position since 1979. Was assistant professor at the New England College of Pharmacy, Boston; chemist at Midwest Research Institute, Kansas City, MO; assistant professor, associate professor and professor of medicinal chemistry at the University of Georgia; and co-director of the Biological Availability Group Studies Laboratory, University of Georgia. Currently serves as director of the Biological Availability Group Studies Laboratory.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Three month limit.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (medicinal chemistry), 1957; B.S. (pharmacy), 1951.

MAJOR AREAS OF EXPERTISE: Pharmaceutical education and training; biopharmaceutics/pharmacokinetics; synthetic medicinal chemistry; pharmaceutical analytical chemistry; pharmacology/toxicology.

MAJOR TYPES OF EXPERIENCE: Research.

LICENSURE: CT (1951).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Visiting research scientist United Kingdom, 4 mos., Bioanalytical Laboratory, University of Surrey.

KEY CODES: 45, 113, 131, 137, 138, 139.

NAME: JENSEN, Erik Hugo

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 2125 Crosswind Drive
City and State: Kalamazoo, MI

Phone: 616/381-0885
Zip Code: 49008

CURRENT POSITION: Director, QC Devt. and Admin.
Employer: The Upjohn Company
Street and No: 7171 Portage Road
City and State: Kalamazoo, MI

Phone: 616/323-5315
Zip Code: 49001

PROFESSIONAL SUMMARY: Has been with present company since 1957. Other experience with the Upjohn Company includes: director of control development and administration; assistant director of control; manager of product control; section head of control; and research associate in pharmacy research. Was also head of pharmaceutical product development at AB Ferrosan, Malmo, Sweden and analytical chemist at Northern Drug and Chemical Company, Copenhagen, Denmark.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Danish.

EDUCATIONAL BACKGROUND: Ph.D. (analytical chemistry), 1954; M.S. (pharmacy), 1948; B.S. (pharmacy), 1945.

MAJOR AREAS OF EXPERTISE: Biopharmaceutics/pharmacokinetics; pharmaceutical analytical chemistry; raw materials/pharmaceutical chemicals; liquid, semi-solid, solid and sterile pharmaceutical dosage forms; pharmaceutical containers and closures.

MAJOR TYPES OF EXPERIENCE: Product research and development; manufacturing/production/processing; packaging and labelling; quality control/quality assurance; administration and management; manpower training and development; project/program planning; regulatory compliance and licensing.

LICENSURE: Denmark (1945).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Pharmaceutical analyst and pharmaceutical manufacturing, Denmark, 2 yrs.; product development and pharmaceutical manufacturing, Sweden, 1 yr.

KEY CODES: 11, 12, 13, 14, 21, 35, 42, 43, 44, 131, 138, 151, 161, 162, 163,
164, 171.

NAME: JOHNSON, Richard Dean CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 5330 Ward Parkway
City and State: Kansas City, MO

Phone: 816/361-4133
Zip Code: 64112

CURRENT POSITION: Vice President of Corporate Development Phone: 816/966-5000
Employer: Marion Laboratories
Street and No: 9221 Ward Parkway
City and State: Kansas City, MO Zip Code: 64114

PROFESSIONAL SUMMARY: Has been with present employer since 1973. Prior experience includes: practicing pharmacist; teaching assistant in physical chemistry and research assistant at University of California; section head of pharmaceutical research and development at Allergan Pharmaceuticals; associate director of regulatory affairs at Syntex Laboratories; presidential exchange executive at the White House; director of licensing at Marion Laboratories; lecturer at the University of South Carolina; and vice president of licensing at Marion Laboratories.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Current employment.

LANGUAGES SPOKEN FLUENTLY English; some Japanese.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical chemistry), 1965; Pharm.D. (pharmacy), 1961; M.S. (pharmaceutical chemistry), 1962; M.B.A. (business administration), 1984; B.S. (pharmacy), 1960.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; industrial pharmacy; pharmaceutical education and training; biopharmaceutics/pharmacokinetics; pharmaceutical chemicals/raw materials.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; procurement; dispensing; drug information; product research and development; administration and management; project/program planning and design; regulatory compliance and licensing; research; pharmaceutical technology transfer.

LICENSURE: CA (1960).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Extensive business travel in Europe and Far East for more than a decade involved in searching, evaluating, and licensing newly patented drugs. Also involved in international drug marketing from a licensing standpoint.

KEY CODES: 01, 02, 07, 09, 11, 21, 42, 44, 45, 99, 101, 104, 113, 131, 151, 199.

NAME: JUNG, Donald T. CITIZENSHIP: US RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 5415 North Sheridan Road #3502 Phone: 312/271-1436
City and State: Chicago, IL Zip Code: 60640

CURRENT POSITION: Ass. stant Professor of Pharmacodynamics Phone: 312/996-2917
Employer: University of Illinois
Street and No: College of Pharmacy
City and State: Chicago, IL Zip Code: 60612

PROFESSIONAL SUMMARY: Has been with present employer since 1981. Prior experience includes teaching assistantship at University of California School of Pharmacy; USPHS traineeship in pharmaceutical chemistry at University of California; research/training assistantship at University of Arizona College of Pharmacy; consultant to Hoechst-Roussel Pharmaceuticals, Inc.; and assistant professor of pharmacodynamics and consultant presently at the Clinical Pharmacokinetics Laboratory, College of Pharmacy, the University of Illinois Health Sciences Center.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical sciences/toxicology), 1980; M.S. (pharmaceutical chemistry), 1978; B.S. (biochemistry), 1974.

MAJOR AREAS OF EXPERTISE: Pharmaceutical education and training; nutrition; biopharmaceutics/pharmacokinetics; pharmaceutical analytical chemistry; pharmacology/toxicology.

MAJOR TYPES OF EXPERIENCE: Product research and development; research.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Consultant in pharmacokinetics, China and Taiwan, 1 wk. each.

KEY CODES: 11, 45, 113, 124, 131, 138, 139.

NAME: KAMARA, Lansana B. CITIZENSHIP: SierraLeo RACE: Black SEX: M

RESIDENCE ADDRESS:

Street and No: 4919 Manitoba Drive #103 Phone: 703/642-1966
City and State: Alexandria, VA Zip Code: 22312

CURRENT POSITION: Research Assistant in Epidemiology Phone: 301/383-2644
Employer: Department of Health and Mental Hygiene
Street and No: 201 West Preston Street
City and State: Baltimore, MD Zip Code: 21201

PROFESSIONAL SUMMARY: Has been with present employer since 1984. Prior experience includes: nursing assistant at Howard University Hospital for two years; pharmacy intern at Veterans Administration Hospital for four years; and pharmacist at Njala Health Center, Sierra Leone, West Africa.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Krio; Limba; and Temne.

EDUCATIONAL BACKGROUND: M.P.H. (public health), 1983; B.S. Pharm. (pharmacy), 1976.

MAJOR AREAS OF EXPERTISE: Hospital/institutional pharmacy services; public health services.

MAJOR TYPES OF EXPERIENCE: Dispensing; drug administration; research.

LICENSURE: Sierra Leone.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Pharmacist, Njala, Sierra Leone, West Africa, Njala Health Center.

KEY CODES: 07, 08, 45, 102, 125.

NAME: KANIG, Joseph Louis

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 79 Beaver Brook Road
City and State: Ridgefield, CT

Phone: 203/797-8888
Zip Code: 06877

CURRENT POSITION: President, Kanig Consulting
Employer: and Research Associates, Inc.
Street and No: 79 Beaver Brook Road
City and State: Ridgefield, CT

Phone: 203/797-8888
Zip Code: 06877

PROFESSIONAL SUMMARY: In present position since 1982, although previously he served as president of Joseph L. Kanig Associates for five years prior to becoming executive vice president and, subsequently, president of Edward Mendell Co., Inc., Carmel, N.Y. Also currently adjunct professor at University of Rhode Island College of Pharmacy. From 1947 to 1979, he rose from the position of teaching assistant to the positions of dean (1965-74) and professor at the Columbia University College of Pharmaceutical Sciences. Other positions held were director of industrial pharmacy laboratories, director of aerosol research laboratory, associate professor and assistant professor of pharmaceuticals, and associate in pharmacy.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacy), 1960; M.S. (industrial pharmacy), 1949; B.S. (pharmacy), 1942.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; industrial pharmacy; pharmaceutical communications/media; pharmaceutical education and training; biopharmaceutics/pharmacokinetics; liquid, semi-solid and solid dosage forms; and pharmaceutical containers and closures.

MAJOR TYPES OF EXPERIENCE: Extemporaneous and small scale bulk compounding; dispensing; drug information; product research and development; manufacturing/production/processing; packaging/labelling; quality control/quality assurance; distribution and warehousing; administration and management; equipment engineering/manufacture/selection/operation/evaluation; market research.

LICENSURE: NY (1942); NJ (1972); DC (1942).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Has served as a consultant to the pharmaceutical and cosmetic industries, to the United Nations UNICEF, and to the Proprietary Association on manufacturing processes, good manufacturing practices and training of personnel, among other things.

KEY CODES: 05, 06, 07, 09, 11, 12, 13, 14, 15, 21, 27, 28, 29, 32, 33, 34, 35,
37, 38, 41, 42, 43, 44, 45, 101, 104, 112, 113, 131, 161, 162, 163,
171, 199.

NAME: KAPLAN, Leonard L. CITIZENSHIP: US RACE: WOC SEX: M

RESIDENCE ADDRESS:
Street and No: One Minuteman Court Phone: 201/257-0178
City and State: East Brunswick, NJ Zip Code: 08816

CURRENT POSITION: Vice President of Research and Devt. Phone: 201/524-5183
Employer: Ortho Pharmaceutical Corporation
Street and No: Route 202
City and State: Raritan, NJ Zip Code: 08869

PROFESSIONAL SUMMARY: Has been with present company since 1969. No further information supplied.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Spanish; German.

EDUCATIONAL BACKGROUND: Ph.D. (research management), 1968; M.A. (management); B.S. Pharm. (pharmacy).

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; industrial pharmacy; pharmaceutical associations/organizations; communications/media; education and training; family planning; maternal/child health; nutrition; biopharmaceutics/pharmacokinetics; drug epidemiology; folk remedies/herbal medicines; raw materials/pharmaceutical chemicals.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; procurement; clinical services; prescribing; extemporaneous and small scale bulk compounding; dispensing; drug administration and information; poison control; product research and development; manufacturing/production/processing; quality control/quality assurance; administration and management; health services marketing.

LICENSURE: NY (1952); OH (1952).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: AID contraceptive research research program, various countries, 5 yrs., AID.

KEY CODES: 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 21, 23, 25, 27, 28, 29, 31, 35, 38, 40, 41, 42, 43, 44, 45, 46, 101, 102, 104, 111, 112, 113, 121, 122, 124, 131, 133, 135, 151, 153, 161, 162, 163, 164, 171.

NAME: KEENE, Douglas L. CITIZENSHIP: US RACE: Black SEX: M

RESIDENCE ADDRESS:

Street and No: 4838 Claybury Avenue
City and State: Baltimore, MD

Phone: 301/488-2387
Zip Code: 21206

CURRENT POSITION: Student/MHS Program
Employer: Johns Hopkins University
Street and No: School of Hygiene and Public Health
City and State: Baltimore, MD

Phone: 301/955-3543
Zip Code: 21205-2179

PROFESSIONAL SUMMARY: Has been with present institution since 1983. In 1977 was laboratory technician in the pharmacognosy department, University of Maryland School of Pharmacy; also served as technician and was pharmacy student at Johns Hopkins Hospital (1978-80); served as health education resource person in the Peace Corps, Senegal, West Africa (1980-82); and since 1982 has also been a staff pharmacist at Provident Hospital, Inc.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Will be completing internship requirements for graduate study in public health between June 1984 and June 1985.

LANGUAGES SPOKEN FLUENTLY: English; French.

EDUCATIONAL BACKGROUND: M.H.S. (public health planning and administration), 1985; B.S. (pharmacy), 1980.

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; public health services.

MAJOR TYPES OF EXPERIENCE: Procurement; dispensing; drug information; distribution and warehousing; inventory control.

LICENSURE: MD (1980).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Health educator and pharmacist, Senegal, West Africa, 2 yrs., Peace Corps.

KEY CODES: 02, 07, 09, 15, 33, 101, 102, 125.

NAME: KHALIL, Shoukry Wahba CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:
Street and No: 1801 North 11th Street Phone: 701/232-1149
City and State: Fargo, ND Zip Code: 58102

CURRENT POSITION: Professor Phone: 701/237-7749
Employer: North Dakota State University
Street and No: College of Pharmacy
City and State: Fargo, ND Zip Code: 58105

PROFESSIONAL SUMMARY: Has been with present employer since 1968. Other experience includes: instructor, assistant professor and associate professor in the pharmacognosy department at Cairo University; consultant to Chemical Industry and Co. (CID) in Cairo, Egypt; associate and assistant professor in the pharmacognosy department at North Dakota State University; reader in the pharmacognosy department at Khartoum University College of Pharmacy, Khartoum, Sudan; and director of the pharmacokinetic drug analysis laboratory at NDSU College of Pharmacy.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacognosy), 1960; M.S. (pharmacognosy), 1956; B.Pharm. (pharmacy), 1953; post-doctorate (instrumental analysis), 1962.

MAJOR AREAS OF EXPERTISE: Natural product medicinal chemistry; pharmaceutical analytical chemistry.

MAJOR TYPES OF EXPERIENCE: Manpower training and development; research.

LICENSURE: Egypt.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Reader, Khartoum, Sudan, Egypt, 1 yr., Khartoum University; consultant, Cairo, Egypt, 2 yrs., Chemical Industry Development and Co.; consultant, Cairo, Egypt, 3 years, Drug Research and Control Center.

KEY CODES: 136, 138.

NAME: KIM, Sung Wan

CITIZENSHIP: US

RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 4512 Jupiter Drive
City and State: Salt Lake City, UT

Phone: 801/272-3439
Zip Code: 84117

CURRENT POSITION: Professor of Pharmaceutics

Employer: University of Utah
Street and No: College of Pharmacy
City and State: Salt Lake City, UT

Phone: 801/581-6801

Zip Code: 84112

PROFESSIONAL SUMMARY: Has been with present employer since 1969. Other experience at University of Utah includes: research assistant in the Department of Chemistry; research associate in Department of Materials Sciences and Engineering and Institute for Biomedical Engineering; assistant research professor in the Department of Materials Sciences and Engineering; assistant professor in the Department of Applied Pharmaceutical Sciences; associate professor in the Department of Pharmaceutics; adjunct professor in the Department of Materials Sciences and Engineering; and adjunct professor of bioengineering.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: No longer than one month per year.

LANGUAGES SPOKEN FLUENTLY: English; Korean.

EDUCATIONAL BACKGROUND: Ph.D. (chemistry), 1969; M.S. (chemistry), 1965; B.S. (chemistry), 1963.

MAJOR AREAS OF EXPERTISE: Liquid, semi-solid, solid and sterile pharmaceutical dosage forms; drug delivery systems.

MAJOR TYPES OF EXPERIENCE: Product research and development; research.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Medical devices and drug delivery, Korea, 1 yr. and 1 mo., KAIST/Korea.

KEY CODES: 11, 45, 99, 161, 162, 163, 164, 199.

NAME: KINGHORN, Alan Douglas CITIZENSHIP: UK RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 629 Lakeside Drive
City and State: Hinsdale, IL

Phone: 312/323-6273
Zip Code: 60521

CURRENT POSITION: Associate Professor of Pharmacognosy
Employer: University of Illinois
Street and No: College of Pharmacy
City and State: Chicago, IL

Phone: 312/996-0914
Zip Code: 60612

PROFESSIONAL SUMMARY: Has been with present institution since 1976. Prior positions include: analytical chemist at Burroughs-Wellcome Co., Ltd; teaching fellow/instructor at University of London School of Pharmacy; post-doctoral research associate in Department of Pharmacognosy at the University of Mississippi School of Pharmacy; research associate, assistant professor and associate professor of pharmacognosy and pharmacology at the UL Medical Center; and, since 1982, has been associate professor of medicinal chemistry and pharmacognosy.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None except scheduling to prevent conflict with teaching responsibilities.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacognosy), 1975; M.Sc. (forensic science), 1970; B.Pharm. (pharmacy), 1969.

MAJOR AREAS OF EXPERTISE: Folk remedies/herbal medicines; natural product medicinal chemistry; pharmaceutical analytical chemistry.

MAJOR TYPES OF EXPERIENCE: Research.

LICENSURE: UK (1971).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Collection of plant species for medicinal plant research, Nigeria, 1 mo., University of London.

KEY CODES: 45, 135, 136, 138.

NAME: KIRSCHBAUM, Joel J. CITIZENSHIP: US RACE: Hispan SEX: M

RESIDENCE ADDRESS:

Street and No: R.D.I. 10 Hiland Drive
City and State: Belle Mead, NJ

Phone: 201/359-3890
Zip Code: 08502

CURRENT POSITION: Research Fellow
Employer: Squibb Institute
Street and No: US 1
City and State: New Brunswick, NJ

Phone: 201/545-1300
Zip Code: 08903

PROFESSIONAL SUMMARY: Has been with present company since 1964. No further information supplied.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Less than 3 weeks due to job responsibilities.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (chemistry); M.S. (chemistry); B.S. (chemistry).

MAJOR AREAS OF EXPERTISE: Pharmaceutical analytical chemistry; raw materials pharmaceutical chemicals; diagnostic pharmaceuticals; liquid, semi-solid, solid and sterile pharmaceutical dosage forms.

MAJOR TYPES OF EXPERIENCE: Analysis of drugs.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Lectured on the use of liquid chromatography of drugs, theory and practice, Hungary, 2 wks., England, 2 wks., 1984, Squibb; lectured on the use of liquid chromatography of drugs, drugs, theory and practice, France, 1980, personal funds.

KEY CODES: 99, 138, 151, 153, 161, 162, 163, 164, 199.

NAME: KULKARNI, Arun D. CITIZENSHIP: India RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 26 Stendahl Drive
City and State: Huntington, CT

Phone: 203/929-5760
Zip Code: 06484

CURRENT POSITION: Quality Assurance Administrator
Employer: Richardson-Vicks Inc./Vicks Res Ctr
Street and No: One Far Mill Crossing
City and State: Shelton, CT

Phone: 203/929-2500
Zip Code: 06484

PROFESSIONAL SUMMARY: Has been with present employer since 1979. Was production manager with Bombay Pharmaceuticals, Bombay, India; supervisor of quality control with Private Formulations, Inc.; director of quality assurance and quality control with Pharmadyne Laboratories, Inc.; and quality assurance administrator and chairman, GMP/self-inspection program, with Richardson-Vicks Inc./Vicks Research Center.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Hindi.

EDUCATIONAL BACKGROUND: M.B.A. (health care administration), 1984; M.S. (industrial pharmacy), 1981; M.Pharm. (pharmacy), 1976; B.Pharm. (pharmacy), 1973.

MAJOR AREAS OF EXPERTISE: Hospital/institutional pharmacy services; pharmaceutical education and training; national health policy; solid pharmaceutical dosage forms.

MAJOR TYPES OF EXPERIENCE: Administration and management; manpower training and development; manufacturing/production/processing; packaging/labeling; product research/development; quality control/quality assurance; regulatory compliance and licensing.

LICENSURE: NY (1979).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Formulation, Bombay, India, 3 yrs., private company; setting up Pioneer Pharmaceutical Company, Inc., US, 9 mos., private company.

KEY CODES: 11, 12, 13, 14, 21, 35, 44, 102, 104, 112, 123, 163.

NAME: LACHMAN, Leon

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 138 Rolling Hill Road
City and State: Manhasset, New York

Phone: N/A
Zip Code: 11030

CURRENT POSITION: President

Employer: Lachman Consultant Services, Inc.
Street and No: 591 Stewart Avenue
City and State: Garden City, New York

Phone: (516) 222-6222

Zip Code: 11530

PROFESSIONAL SUMMARY: In present position since 1979. Previously spent 13 years at Ciba Pharmaceutical Co., culminating as director of pharmacy research and development; and 10 years with Dupont Pharmaceuticals as vice president of development and control. Has been course director at the Institute for Applied Pharmaceutical Sciences in validation/qualification (solid and sterile dosage forms); lectured FDA personnel in areas of quality control/quality assurance, expiration dating, stability testing, dosage form design, etc.; and been a guest lecturer at various colleges of pharmacy and before scientific professional societies and associations in the US and abroad.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English, German.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacy), M.S. (pharmacy), B.S. (pharmacy).

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical associations/or-organizations; pharmaceutical education and training; biopharmaceutics/pharmacokinetics; pharmaceutical chemicals/raw materials; pharmaceutical dosage forms; and pharmaceutical containers and closures.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; manpower training and development, facilities design; product research and development; manufacturing/production/processing; packaging and labelling; quality control and quality assurance; distribution and warehousing; regulatory compliance.

LICENSURE: NY (1951); FL (1951).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Research and development, manufacturing and regulations, Philippines, 2 yrs., United Labs; Switzerland, 8 mos., CIBA; manufacturing consultant, Thailand and Indonesia, 1 wk. each, United Labs.

KEY CODES: 01, 03, 08, 09, 11, 12, 13, 14, 15, 21, 27, 28, 29, 33, 35, 41, 42,
44, 45, 104, 111, 113, 131, 151, 161, 162, 163, 164, 171.

NAME: LAMBA, Surendar S. CITIZENSHIP: US RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 3914 Tralee Road Phone: (904) 893-1521
City and State: Tallahassee, Florida Zip Code: 32308

CURRENT POSITION: Prof. of Pharmacognosy/Medicinal Chem. Phone: (904) 599-3301
Employer: Florida A & M University
Street and No: College of Pharmacy
City and State: Tallahassee, Florida Zip Code: 32307

PROFESSIONAL SUMMARY: In present position since 1982. Has been on faculty since 1966 at Florida A & M School of Pharmacy. From 1977-78, was visiting professor at the University of Panama School of Pharmacy, Republic of Panama; and 1981-82, visiting professor at the University of Benin School of Pharmacy, Nigeria.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English, Hindi.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacognosy/organic chemistry), 1966; M.S. (pharmaceutics/pharmacognosy), 1963; M.Pharm. (pharmacy/pharmacognosy), 1960; B.Pharm. (pharmacy), 1957; B.S. (chemistry/botany), 1954.

MAJOR AREAS OF EXPERTISE: Medicinal chemistry/natural products; pharmaceutical education and training.

MAJOR TYPES OF EXPERIENCE: Manpower training and development; research in areas of phytochemistry, effects of drugs on cells in culture and antisickling agents (evaluation and synthesis).

LICENSURE: India.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Visiting professor, School of Pharmacy, University of Panama, Republic of Panama, 1977-1978, National Science Foundation; visiting professor, School of Pharmacy, University of Benin, Nigeria, 1981-1982, University of Benin.

KEY CODES: 35, 45, 113, 136.

NAME: LAMBERT, Howard Jules CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 2635 Deer Path Phone: (201) 232-0193
City and State: Scotch Plains, New Jersey Zip Code: 07076

CURRENT POSITION: Vice President/Drug Systems Development Phone: (212) 691-7550
Employer: Hercon Division/Health-Chem Corporation
Street and No: 1107 Broadway
City and State: New York, N.Y. Zip Code: 10010

PROFESSIONAL SUMMARY: Has been working for present employer since 11/83. Spent one year (1982-83) as director of drug systems development for Searle research and development laboratories. Was associate director of product development, in the research and development division of G.D. Searle and Co. from 1978-82. Other positions held at Searle Laboratories include director of pharmaceutical development, group leader and manager of biopharmaceutics, and research investigator of radiochemistry/metabolism, spanning from 1971-78. Prior to 1971, he spent 21 mos. as senior research pharmacist in investigative research at Richardson-Merrell, Inc.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacy), 1969; M.S. (pharmacy), 1961; B.S. (pharmacy), 1959.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; biopharmaceutics/pharmacokinetics and pharmaceutical dosage forms (liquid, solid, and transdermal delivery systems).

MAJOR TYPES OF EXPERIENCE: Small scale bulk compounding; product research and development; manufacturing/production/processing, administration and management, facilities design; organization development; project/program planning, design and evaluation; regulatory compliance and licensing; and research.

LICENSURE: NY; CA (1959); FL (1960).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Licensing and acquisition negotiation, Europe and the Far East.

KEY CODES: 06, 11, 12, 21, 29, 41, 42, 43, 44, 45, 104, 131, 161, 163, 199.

NAME: LAY, Charles Theodore

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 171 Emmans Road
City and State: Flanders, N.J.

Phone: (201) 927-0397
Zip Code: 07836

CURRENT POSITION: Vice President, Pharmaceutical Prodn.
Employer: CIBA-GEIGY Corporation
Street and No: 556 Morris Ave.
City and State: Summit, N.J.

Phone: (201) 277-5975
Zip Code: 07901

PROFESSIONAL SUMMARY: Has been in present position as vice president since 4/63. Career at Ciba-Geigy started in 1970 and has included positions as executive director, materials management; director of pharmaceutical production, Australia plant; and as assistant manager and manager of the pharmaceutical manufacturing department. Prior to work at CIBA-GEIGY, he worked for 8 years at Warner-Chilcott Labs, including positions as supervisor of chemical weighing and liquid manufacturing, supervisor of pharmaceutical processing, and as assistant supervisor of granulating and compressing, and of the tablet coating department.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Very difficult at present time due to responsibilities and workload. Would consider vacation period assignment of three to four weeks.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: B.S. (pharmacy), 1961.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical education and training; pharmaceutical chemicals/raw materials; pharmaceutical dosage forms (liquid, semi-solid, solid and sterile); and pharmaceutical containers and closures.

MAJOR TYPES OF EXPERIENCE: Dispensing; manufacturing/production/processing, packaging and labelling; distribution and warehousing; inventory control; logistics planning and management; and transportation.

LICENSURE: NY (1961); ME (1961); NJ (1965).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Acting plant manager, Australia, 4 mos., CIBA-GEIGY International.

KEY CODES: 07, 12, 13, 15, 33, 34, 47, 104, 113, 151, 161, 162, 163, 164, 171.

NAME: LEE, Shih-Wei

CITIZENSHIP: US

RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 278 Brandywine Drive
City and State: Orangeburg, N.Y.

Phone: (914) 359-5689
Zip Code: 10962

CURRENT POSITION: Senior Scientist (Supervisor)

Phone: (914) 357-1700

Employer: Ciba-Geigy Corporation
Street and No: Old Mill Road
City and State: Suffern, N.Y.

Zip Code: 10901

PROFESSIONAL SUMMARY: In present position since 1979 in the areas of process development and advanced drug delivery systems. Also worked for one year as a pharmaceutical research and development scientist for Vicks Chemical Divisions. From 1965-1967 worked as a sales representative for Bristol Laboratories Taiwan, Inc., Taipei, Taiwan.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Prefers assignments of 1 to 2 months; can be longer.

LANGUAGES SPOKEN FLUENTLY: English; Chinese.

EDUCATIONAL BACKGROUND: Ph.D. (industrial pharmacy), 1974; M.S. (pharmacy administration), 1970; B.S. (pharmacy), 1964.

MAJOR AREAS OF EXPERTISE: Pharmaceutical education and training; economics; pharmaceutical chemicals; raw materials; pharmaceutical dosage forms (liquid, semi-solid, and solid).

MAJOR TYPES OF EXPERIENCE: Product research and development; manufacturing and production/processing; quality control/quality assurance; administration and management; advertising and promotion; import/export management; marketing and sales; regulatory compliance and licensing; and research.

LICENSURE: Taiwan (1964).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Pharmaceutical sales representative, China, 2 yrs., Bristol Labs Taiwan, Inc.

KEY CODES: 11, 12, 14, 21, 23, 32, 37, 44, 45, 112, 134, 151, 161, 162, 163.

NAME: LEVCHUCK, John W. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 6397 Egerton Circle Phone: 901/682-4859
City and State: Memphis, TN Zip Code: 38119

CURRENT POSITION: Associate Professor of Pharmaceutics Phone: 901/528-6929

Employer: College of Pharmacy
Street and No: University of Tennessee
City and State: Memphis, TN Zip Code: 38163

PROFESSIONAL SUMMARY: In present position since June 1983. Previously taught for 4 years at University of Alberta, Canada. Completed 2 years of active duty with the U.S. Public Health Service in the Indian Health Service.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None given.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacy), 1977; M.Ed. (educational administration), 1973; M.S. (hospital pharmacy), 1968; B.S. (pharmacy), 1963.

MAJOR AREAS OF EXPERTISE: Hospital/institutional pharmacy services; pharmaceutical education and training; sterile pharmaceutical dosage forms; and educational technology.

MAJOR TYPES OF EXPERIENCE: Pharmaceutical compounding (extemporaneous and small scale bulk); dispensing; manpower training and development; project/program planning, design and evaluation; educational and instructional systems design and evaluation.

LICENSURE: NM (1965).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Pharmaceutical education, Canada, 4 yrs, University of Alberta.

KEY CODES: 05, 06, 07, 35, 42, 43, 45, 46, 99, 102, 113, 164, 199.

NAME: LEYD, James P. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:
Street and No: 10597 Tanager Hills Drive Phone: (513) 683-4939
City and State: Cincinnati, Ohio Zip Code: 45242

CURRENT POSITION: Commercial Development Manager Phone: (513) 948-7940
Employer: Merrell-Dow Pharmaceuticals
Street and No: 2115 Galbraith Road
City and State: Cincinnati, Ohio Zip Code: 45215

PROFESSIONAL SUMMARY: Has been with present employer since 1969, in positions of director of new product development, director of the pharmacy research department and commercial development manager. Prior to working at Merrell-Dow, he served for 4 years as development chemist/project leader at Lederle Labs, and 3 years as manager of pharmaceutical product development for Cyanamid International. Other employment included positions of postdoctoral fellow of NIH, teaching and research assistant at Ohio State University, and retail pharmacist.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Limited to 4 weeks or less.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical chemistry), 1962; M.S. (pharmaceutical chemistry), 1959; B.S. (pharmacy), 1957.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical communications and media; pharmaceutical analytical chemistry; pharmaceutical chemicals/raw materials; dental pharmaceuticals; pharmaceutical dosage forms (liquid, semi-solid, and solid); and pharmaceutical containers and closures.

MAJOR TYPES OF EXPERIENCE: Product research and development; manufacturing and production/processing; packaging and labelling; quality control/quality assurance; administration and management; equipment selection/operation and evaluation; facilities design/construction; marketing and sales; project/program planning, design and evaluation; regulatory compliance; and research.
LICENSURE: OH (1957).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Product/process development, Italy, France, United Kingdom, and Latin America, 1966-81, for Merrell-Dow and Lederle Labs.

KEY CODES: 11, 12, 13, 14, 21, 23, 28, 29, 31, 37, 38, 41, 42, 43, 44, 45, 46, 104, 112, 138, 151, 152, 161, 162, 163, 171.

NAME: LIBBY, Henry

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 117 Purdue Ave.
City and State: Kensington, CA

Phone: (415) 524-3080
Zip Code: 94708

CURRENT POSITION: Vice President/Research and Development
Employer: Libby Laboratories, Inc.

Street and No: 1700 Sixth Street
City and State: Berkley, CA

Phone: (415) 527-5400
Zip Code: 94710

PROFESSIONAL SUMMARY: In present position as vice president of research and development since 1981. Prior to this (1959-81), he was founder and president, Libby Laboratories, Inc., in the product development and custom manufacturing laboratory in cosmetics and pharmaceuticals; between 1959 and 1962, he was an assistant clinical professor of pharmacy and pharmaceutical chemistry at the University of California at San Francisco. Was employed by various industrial manufacturers in product development between 1946 and 1955.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Three months limit.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacy), 1959; B.S. (pharmacy), 1958; B.S. (biochemistry) and A.B. (physiology), 1940.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical chemicals/raw materials; dental and diagnostic pharmaceuticals; pharmaceutical dosage forms (liquid, semi-solid, and sterile).

MAJOR TYPES OF EXPERIENCE: Extemporaneous and small scale bulk compounding; product research and development; quality control/quality assurance; operations research; and organization development.

LICENSURE: CA (1958).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Pharmaceutical production implementation, Mexico and Canada, 3 mos. each, private agency.

KEY CODES: 05, 06, 11, 14, 40, 41, 104, 151, 152, 153, 161, 162, 164.

NAME: LIEN, Eric J. CITIZENSHIP: US RACE: Asian SEX: M

RESIDENCE ADDRESS:
Street and No: 10728 Kelmore Street Phone: 213/224-7545
City and State: Culver City, CA Zip Code: 90230

CURRENT POSITION: Professor, School of Pharmacy Phone: 213/224-7545
Employer: University of Southern California
Street and No: 1985 Zonal Avenue
City and State: Los Angeles, CA Zip Code: 90033

PROFESSIONAL SUMMARY: Has been with present institution since 1978; holds professorship in pharmacy.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Chinese; Taiwanese.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical chemistry), 1966; B.S. (pharmacy), 1960.

MAJOR AREAS OF EXPERTISE: Biopharmaceutics/pharmacokinetics; computer sciences; drug epidemiology; folk remedies/herbal medicines; natural product medicinal chemistry; synthetic medicinal chemistry; pharmacology/toxicology; liquid and sterile pharmaceutical dosage forms.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; clinical services; prescribing; extemporaneous/small scale bulk compounding; dispensing; drug information; poison control; product R&D; manufacturing/production/processing; facilities design/construction; operations research; research.

LICENSURE: Taiwan (1963-66).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Senior visiting scientist, Taiwan, China, 6 mos., Chung Sham Institute of Science and Technology.

KEY CODES: 01, 03, 04, 05, 06, 07, 09, 10, 11, 12, 29, 40, 45, 46, 131, 132, 133, 135, 136, 137, 139, 161, 164.

NAME: LINN, Edwards E. CITIZENSHIP: US RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 33 Village Drive North
City and State: Carmel, Indiana

Phone: (317) 844-8325
Zip Code: 46032

CURRENT POSITION: Senior Scientist

Employer: Eli Lilly and Company
Street and No: 307 East McCarty Street
City and State: Indianapolis, Indiana

Phone: (317) 261-3433

Zip Code: 46285

PROFESSIONAL SUMMARY: Has been in present position since 1982. Prior to this, he spent two years in solid dosage form design in the research division, Syntex Laboratories. From 1972-1974 was employed at the Academia Sinica Institute of Chemistry, Taipei, Taiwan, in organic synthesis and natural product identification.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Chinese.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical chemistry), 1982; M.S. (biopharmaceutics), 1976.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; biopharmaceutics/pharmacokinetics; medicinal chemistry/natural products; pharmaceutical chemicals/raw materials; pharmaceutical dosage forms (liquid, semi-solid, solid).

MAJOR TYPES OF EXPERIENCE: Product research and development.

LICENSURE: Taiwan (1972).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Involved in GMP, Taiwan, 1 mo., private contractor.

KEY CODES: 11, 104, 131, 136, 151, 161, 162, 163.

NAME: LORENZETTI, Ole John CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 1945 Berkeley Place
City and State: Fortworth, Texas

Phone: (817) 921-0884
Zip Code: 76110

CURRENT POSITION: Director of Research and Development

Phone: (817) 551-8771

Employer: Alcon Labs, Inc.

Street and No: P.O. Box 1959

City and State: Fort Worth, Texas

Zip Code: 7E101

PROFESSIONAL SUMMARY: In present position since 1983. Formerly served 4 years as associate director of dermatology/ophthalmology, manager of dermatology/surgery/pediatrics and urology, manager of biological sciences, head of pharmacology/toxicology and as head senior scientist of ophthalmic pharmacology. Previous employment includes 5 years as head of pharmacology and toxicology of topical agents for Miles Laboratories. Academic employment includes positions of assistant professor of pharmacology, University of Texas Health Sciences Center at Dallas, from 1970 to present; visiting lecturer in therapeutic and drug research at the University of Illinois (1973-80); and other such positions since 1958.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Italian.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacology/toxicology), 1965; M.S. (pharmacology/physiology), 1962; B.S. (pharmacy), 1958.

MAJOR AREAS OF EXPERTISE: Pharmacy services, hospital/institutional; industrial pharmacy; pharmaceutical association/organization; pharmaceutical education and training; biopharmaceutics/pharmacokinetics; pharmacology/toxicology; pharmaceutical chemicals/raw materials; and diagnostic pharmaceuticals.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; clinical services; compounding; extemporaneous and small scale bulk; product research and development; manufacturing/production/processing; quality control/quality assurance; facilities design/construction; project/program planning/design/evaluation; research.

LICENSURE: IL; TX.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Health care project, Italy, 3 yrs., FDA/USDA.

KEY CODES: 01, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 21, 23, 29, 31,
37, 40, 41, 42, 43, 44, 45, 102, 104, 111, 113, 131, 139, 151, 153.

NAME: MANASSE, Henri Richard CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 107 56th Ct.
City and State: Downers Grove, IL

Phone: 312/960-2142
Zip Code: 60516

CURRENT POSITION: Dean & Professor
Employer: University of Illinois
Street and No: College of Pharmacy
City and State: Chicago, IL

Phone: 312/996-7240
Zip Code: 60612

PROFESSIONAL SUMMARY: Has been at the University of Illinois since 1969. Positions held include: associate dean for academic programs, associate professor of pharmacy administration and health professions education, director of investigational program for self-directed study, assistant to the dean and director of pharmacy continuing education. Also was coordinator of the Illinois Academy of Preceptors in Pharmacy. Prior to 1969, he spent 3 years with Xtrium Labs as a research and production pharmacist.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Depends on other commitments at the time.

LANGUAGES SPOKEN FLUENTLY: English; German; and Dutch.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacy administration), 1974; M.A. (educational psychology), 1972; B.S. (pharmacy), 1968.

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; pharmaceutical association/organization; pharmaceutical education and training; national health policy; sociology/psychology; and social pharmacy.

MAJOR TYPES OF EXPERIENCE: Clinical services; product research and development, administration and management; health services marketing; manpower training and development; organization development; and research.

LICENSURE: IL (1968).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Consultant in educational development, Nigeria, 2 wks., University of Ibadan; consultant in evaluation and training, Bahrain, ongoing.

KEY CODES: 03, 11, 21, 31, 35, 41, 45, 101, 102, 111, 113, 123, 140, 199.

NAME: McATEER, Phillip John CITIZENSHIP: US RACE: white SEX: M

RESIDENCE ADDRESS:

Street and No: 11915 Rolling Springs Drive
City and State: Carmel, IN

Phone: 317/846-9663
Zip Code: 46032

CURRENT POSITION: Manager of Int'l. Technical Service
Employer: Eli Lilly and Co.
Street and No: 740 S. Alabama St.
City and State: Indianapolis, IN

Phone: 317/261-4911
Zip Code: 46285

PROFESSIONAL SUMMARY: With present employer since 1955.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Length of time and current employment obligations.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: M.S. (chemical engineering), 1960; B.S. (pharmacy), 1955.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical dosage forms (liquid, semi-solid, solid, and sterile).

MAJOR TYPES OF EXPERIENCE: Small scale bulk compounding; manufacturing; production/processing; quality control/quality assurance; equipment engineering/manufacture; equipment selection/operation/evaluation; facilities design/construction.

LICENSURE: OH (1955); IN (1957).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Medical supply officer, France, 20 mos., US Air Force.

KEY CODES: 06, 12, 14, 27, 28, 29, 104, 161, 162, 163, 164.

NAME: McDANIEL, Phillip Anthony CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 1435 Limestone Apartment 120
City and State: Lexington, KY

Phone: 606/278-8228
Zip Code: 40503

CURRENT POSITION: Assistant Professor of Pharmacy
Employer: University of Kentucky
Street and No: College of Pharmacy
City and State: Lexington, KY

Phone: 606/257-3490
Zip Code: 40536

PROFESSIONAL SUMMARY: Has been with present institution since 1983; also director of University pharmacy. Prior teaching positions were assistant professor at the University of Kansas College of Pharmacy; and teaching assistant, laboratory instructor, and research assistant at the University of Mississippi. Institutional pharmacy positions held include director of primary and ambulatory care in pharmacy at the University of Kentucky; hospital pharmacist at Atlanta West Hospital and Senatobia Community Hospital; consultant, North Panola Hospital, Vaughn Prescriptions, Moody Nursing Home, and Quality Pharmaceutical, Inc. Retail pharmacist positions held included an assistant managership at Anglin Drugs and Super X Drugs.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Approval by the dean of the College of Pharmacy prior to accepting assignments.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (health care administration), 1982; M.H.C.A. (H.C.A.), 1978; B.S. (pharmacy), 1974; B.S. (molecular biology), 1972.

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; industrial pharmacy; pharmaceutical communications/media; pharmaceutical education and training; family planning; maternal and child health; national health policy; economics; sociology/psychology.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; procurement; prescribing; clinical services; extemporaneous and small scale bulk compounding; dispensing; drug administration/information; product research/development; administration/management; advertising/promotion; health services marketing; manpower training/development; market/survey research; marketing and sales.

LICENSURE: GA (1974); MS (1975); AR (1981); KY (1984).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Conference on the role of retail pharmacists in family planning, Egypt, 10 days, USAID/Family of the Future (Cairo); international seminar on Third World pharmacy, Nigeria, 1 wk., the Futures Group/USAID.

KEY CODES: 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 21, 23, 25, 31, 32, 33,
35, 37, 38, 41, 42, 43, 45, 46, 101, 102, 104, 112, 113, 121, 122,
123, 134, 140.

NAME: MILLER, David J. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 6112 32nd Place, NW
City and State: Washington, DC

Phone: 202/966-10064
Zip Code: 20015

CURRENT POSITION: Consultant

Employer: Self-Employed
Street and No: 1200 15th St., NW, Suite 504
City and State: Washington, DC

Phone: 202/293-2900

Zip Code: 20005

PROFESSIONAL SUMMARY: Has been self-employed as a consultant since 1969. His work has involved labelling, packaging and regulatory status of foods, drugs, devices and cosmetics; preparation and presubmission review of food and color additive petitions, OTC submissions, IND's, NDA's, IDE's, PMA's, and field audits to determine compliance with GMP's and GLP's. Previously employed at FDA from 1934 to 1969 as deputy director, division of color and cosmetics; general chemist, office of the commissioner; assistant to the director, bureau of field administration; and as seafood inspector.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Length of time -- limited to 1 month or less.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: B.S. (chemical engineering), 1931. Graduate studies, 1932, 1958-61.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; medicinal chemistry; pharmaceutical analytical chemistry; pharmaceutical chemicals and raw materials; liquid and semi-solid pharmaceutical dosage forms.

MAJOR TYPES OF EXPERIENCE: Product research and development; manufacturing/production/processing; quality control and quality assurance; regulatory compliance and licensing.

LICENSURE: Certified professional chemist (AIC); and chartered chemist (RSC).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: However, he has been a consultant to French pharmaceutical firm and to 3 English color manufacturers.

KEY CODES: 11, 12, 14, 44, 104, 137, 138, 151, 161, 162, 199.

NAME: MITSCHER, Lester A. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 1913 Kasold Dr.
City and State: Lawrence, KS

Phone: 913/842-9334
Zip Code: 66044

CURRENT POSITION: Professor and Department Chairman
Employer: School of Pharmacy
Street and No: University of Kansas
City and State: Lawrence, KS

Phone: 913/864-4495
Zip Code: 66045

PROFESSIONAL SUMMARY: Has held present position since 1975. Also has held positions at NIH as member and chairman of the medicinal chemistry and natural products study section; editor of Medicinal Chemistry Titles, Marcel Dekker, Inc.; consultant on medicinal chemistry to G.D. Searle & Co. and Intec Corp., to Adria Labs on antitumor agents, and to Abbott Labs on microbial products; Intersearch Professor, Victorian College of Pharmacy, Australia; professor and associate professor of natural products chemistry at the Ohio State University College of Pharmacy.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; German.

EDUCATIONAL BACKGROUND: Ph.D. (organic and physiological chemistry), 1958; B.S. (pharmacy), 1953.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; pharmaceutical communications/media; pharmaceutical education and training; folk remedies/herbal medicines; natural product and synthetic medicinal chemistry; pharmaceutical analytical chemistry; pharmaceutical education and training; pharmaceutical industry.

MAJOR TYPES OF EXPERIENCE: Manpower training and development; product research and development; project/program planning, design, and evaluation; and research.

LICENSURE: MI (1953).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Antibiotic therapy, Saudi Arabia, 1 mo., Riyadh University; antimicrobial agents from higher plants, Japan, 1 mo. (12 visits), NSF; tetracycline patents, Sweden, 3 mos., Rachele Labs/Ferrosan Labs.

KEY CODES: 11, 42, 43, 45, 101, 104, 112, 113, 135, 136, 137, 138,

NAME: MO, Y. Joseph

CITIZENSHIP: US

RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 938 Pickering Drive
City and State: Yardley, PA

Phone: 215/493-4427
Zip Code: 19067

CURRENT POSITION: Asst. Director of Pharmaceutical Devt.
Employer: Smith Kline Consumer Products Co.

Phone: 215/768-3676

Street and No: 938 Pickering Drive
City and State: Yardley, PA

Zip Code: 19067

PROFESSIONAL SUMMARY: In current position since 1983; prior employment included positions at Johnson and Johnson in product development, exploratory research and development, and pharmaceutical development; at Beecham Products, Western Hemisphere, as senior research pharmacist; and at Purdue University, as teaching assistant in basic pharmaceuticals and manufacturing processes.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English, Chinese.

EDUCATIONAL BACKGROUND: Ph.D. (industrial and physical pharmacy), 1977; M.S. M.S. (biochemistry), 1974; B.S. (chemistry), 1970.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical analytical chemistry; pharmaceutical chemicals/raw materials; pharmaceutical dosage forms (liquid and solid); biological preparations (vaccines, etc.); enzymology.

MAJOR TYPES OF EXPERIENCE: Product research and development; manufacturing/production/processing; administration and management; cost analysis; equipment selection/operation/evaluation; organization development; project/program planning/design/evaluation; research; and delivery systems design.

LICENSURE: None.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Moped manufacturing, Taiwan, 3 mos., private agency; formulation development, Taiwan, 2 yrs., Watson Labs; teaching assistant, Taiwan, 2 yrs., Tunghai University.

KEY CODES: 11, 12, 21, 25, 28, 41, 42, 43, 45, 104, 138, 151, 161, 163, 165.

NAME: MUTHA, S. C. CITIZENSHIP: India RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 1556 Douglas Drive
City and State: El Cerrito, CA

Phone: 415/233-6338
Zip Code: 94530

CURRENT POSITION: Managing Partner
Employer: Nonagon Software
Street and No: 11185 San Pablo Avenue
City and State: El Cerrito, CA

Phone: 415/237-4406
Zip Code: 94530

PROFESSIONAL SUMMARY: Has been with present company since 1983. Prior experience at Cutter Laboratories, Inc., includes positions of supervisor of chemical analytical research; senior analytical chemist; analytical chemist; manager of analytical services; pharmaceutical development section head/senior scientist; manager of formulation and product evaluation laboratory; and manager of medical products nutritional and technical services; and at the University of California School of Pharmacy, positions of teaching assistant, research assistant and post graduate research chemist. Also taught chemistry and pharmacy at Indian universities.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Hindi.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical chemistry), 1968; M.Pharm. (pharmacy/pharmaceutical chemistry), 1957; B.Pharm. (pharmacy), 1956.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical education and training; nutrition; computer sciences; synthetic medicinal chemistry; pharmaceutical analytical chemistry; pharmaceutical chemicals/raw materials; dental pharmaceuticals; radioisotope pharmaceuticals; liquid, semi-solid and sterile pharmaceutical dosage forms; biological preparations.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; product research and development; manufacturing/production/processing; packaging and labelling; quality control/quality assurance; administration and management; cost analysis; equipment selection/operation/evaluation; operations research; organization development; research; survey research.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Teaching, India, 7 yrs., Banaras Hindu University Department of Pharmaceutics.

KEY CODES: 01, 11, 12, 13, 14, 21, 25, 28, 40, 41, 45, 46, 104, 113, 124, 132, 137, 138, 151, 152, 154, 161, 162, 164, 165, 171.

NAME: OKE, Tommy Olawuyi CITIZENSHIP: Nigeria RACE: Black SEX: M

RESIDENCE ADDRESS:

Street and No: 608 Madison Avenue
City and State: Albany, NY

Phone: 518/462-4526
Zip Code: 12208

CURRENT POSITION: Health Care Consultant

Employer: Self-Employed

Phone: 518/465-8781

Street and No: 608 Madison Avenue
City and State: Albany, NY

Zip Code: 12208

PROFESSIONAL SUMMARY: Former managing director of Multi-Pharmaceuticals, Ltd., Lagos, Nigeria, for 22 months; technical director of Continental Pharmaceuticals, Ltd., Lagos, for 3 years; chief pharmacist, Federal Ministry of Health, Lagos, for 2 years; principal pharmacist, Federal Drug Quality Control Laboratory, Lagos, for 3 years; chairman, the Pharmacist's Board of Nigeria; research pharmacist, Pfizer, Inc., Brooklyn, NY; head, pharmaceutical chemistry division, University of Ife (Nigeria); and staff of the international pharmaceutical development laboratory, Schering Corporation, Bloomfield.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Hausa; Yoruba.

EDUCATIONAL BACKGROUND: Pharm.D. (industrial pharmacy), 1966; M.S. (hospital pharmacy), 1963; B.S. Pharm. (pharmacy), 1962. Fellowship in pharmaceutical analysis and quality assurance, 1969.

MAJOR AREAS OF EXPERTISE: Hospital/institutional pharmacy services; industrial pharmacy; pharmaceutical education and training; national health policy; folk remedies/herbal medicines; pharmaceutical analytical chemistry; pharmaceutical chemicals/raw materials; and solid pharmaceutical dosage forms.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; procurement; clinical services; prescribing; drug administration; drug information; quality control/quality assurance; administration and management; manpower training and development; marketing and sales; regulatory compliance and licensing.

LICENSURE: Nigeria (1970).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Various professional positions, Nigeria, 7 yrs., Federal Government of Nigeria (see professional summary above); pharmaceutical adviser, Mauritius, 4 mos., WHO; pharmaceutical adviser, Zimbabwe, 4 mos., WHO.

KEY CODES: 01, 02, 03, 04, 08, 09, 14, 21, 35, 37, 44, 102, 104, 113, 123, 135, 138, 151, 163.

NAME: OLUSANYA, Olu A. CITIZENSHIP: US RACE: Black SEX: M

RESIDENCE ADDRESS:
Street and No: 1700 Harvard St. N.W. Phone: 202/667-8958
City and State: Washington, DC Zip Code: 20009

CURRENT POSITION: Assistant Professor Phone: 202/636-7960
Employer: Howard University College of Pharmacy
Street and No: and Pharmacal Sciences
City and State: Washington, DC Zip Code: 20059

PROFESSIONAL SUMMARY: Has been with Howard University's pharmacy college since 1974 in the capacity assistant professor of pharmacy practice, teaching associate at the mental health clinic in clinical psychopharmacy therapeutics for medical students at Howard University Hospital, and teaching associate at the School of Nursing at Howard University in pharmacology. Organized and implemented a renal medicine clinical rotation and a psychiatry clinical pharmacy rotation both since 1978 to present. Also held position as director of drug information center at Howard University Hospital; and consultantships with the Federal University of Santa Maria, Brazil, Federal Health Services, Inc., Professional Pharmacy, Inc., and Face-to-Face Crisis Center.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Pharm.D. (clinical pharmacy), 1974; B.S. (pharmacy), 1972.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; hospital/institutional pharmacy services; pharmaceutical education and training.

MAJOR TYPES OF EXPERIENCE: Clinical services; dispensing; drug information; drug selection/formulary development; extemporaneous compounding; poison control; prescribing; small scale bulk compounding.

LICENSURE: DC (1973).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Implementation of clinical services, Rio Grande de Sul, Brazil, 6 wks., the University of Santa Maria.

KEY CODES: 01, 03, 04, 05, 07, 09, 10, 101, 102, 113.

NAME: PARIKH, Nilesh H. CITIZENSHIP: India RACE: Asian SEX: M

RESIDENCE ADDRESS:
Street and No: 1123 Ave. K #A5 Phone: 212/377-0743
City and State: Brooklyn, NY Zip Code: 11230

CURRENT POSITION: Graduate Assistant, A & M Schwartz Phone: 212/834-6000
Employer: College of Pharmacy
Street and No: Long Island University
City and State: Brooklyn, NY Zip Code: 11201

PROFESSIONAL SUMMARY: In graduate school since 1982, tutoring undergraduate pharmacy students in the area of physical pharmacy, pharmaceuticals and physical chemistry. Also served as trainer shift chemist in product development for Alembic Chemicals, India, and as industrial trainee in manufacturing for Medox Pharmaceuticals, India.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Hindi.

EDUCATIONAL BACKGROUND: M.S. (industrial pharmacy), 1984; B.Pharm. (pharmacy), 1981; D.B.H. (business management) -- in progress.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical dosage forms (liquid, semi-solid, and solid).

MAJOR TYPES OF EXPERIENCE: Manufacturing/production/processing; product research and development.

LICENSURE: None.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Worked as a chemist for 9 months in India for Alembic Chemicals.

KEY CODES: 11, 12, 104, 161, 162, 163.

NAME: PATEL, Dahyabhai M. CITIZENSHIP: India RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 136 Annasmead Rd
City and State: Ambler, PA

Phone: 215/643-7966
Zip Code: 19002

CURRENT POSITION: N/A

Employer:
Street and No:
City and State:

Phone: N/A

Zip Code: N/A

PROFESSIONAL SUMMARY: Between 1965 and 1982 was department head, analytical and physical chemistry department, research and development division, Wm. H. Rorer, Inc. Spent 4 years as central development chemist, analytical specifications and central development division, Parke Davis and Co., and 1 year as chemist-in-charge, quality central division, Sandoz, India Ltd.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Hindi.

EDUCATIONAL BACKGROUND: M.S. (manufacturing/analytical pharmacy), 1954; B.S. (pharmacy), 1951.

MAJOR AREAS OF EXPERTISE: Pharmaceutical analytical chemistry; pharmaceutical chemicals/raw materials.

MAJOR TYPES OF EXPERIENCE: Manufacturing/production/processing; product research and development; quality control/quality assurance; regulatory compliance and licensing; and research.

LICENSURE: PA (1975).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Quality control for 6 mos. each in Switzerland and India, Sandoz Ltd.

KEY CODES: 11, 12, 14, 44, 45, 138, 151.

NAME: PEAK, Yvonne

CITIZENSHIP: US

RACE: Black SEX: F

RESIDENCE ADDRESS: N/A

Street and No:
City and State:

Phone:
Zip Code:

CURRENT POSITION: President

Employer: Peak Enterprises, Ltd.

Street and No: 204 W. 83rd Street
City and State: Chicago, IL

Phone: 312/487-3959

Zip Code: 60620

PROFESSIONAL SUMMARY: Founded Peak Enterprises in 1977, serving as its president since. Has taught preventive medicine and community health course at the University of Illinois School of Public Health and served as research coordinator and instructor in the Department of Pharmacy Practice at U of Ill College of Pharmacy; staff pharmacist at U of Ill dispensary; and research analyst and pharmacy intern at the Howard University Hospital Department of Pharmaceutical Services. Her firm is engaged in pharmaceutical manufacturing and the wholesale distribution and export marketing of pharmaceuticals, medical and safety supplies and related items.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Length of time. Geographic location may be a factor.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: M.P.H. (international Health), 1974; B.S. Pharm. (pharmacy), 1973.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; wholesale drug distribution; economics.

MAJOR TYPES OF EXPERIENCE: Administration and management; compounding (small scale bulk); dispensing; distribution and warehousing; import/export management; inventory control; manufacturing/production/processing; packaging and labelling; procurement; quality control/quality assurance.

LICENSURE: DC (1973); IL (1974).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Consulting, pharmaceutical delivery, distribution and economics, Trinidad (4 1/2 mos.), Ghana (6 wks.), Liberia (6 wks.), private industry.

KEY CODES: 02, 06, 07, 12, 13, 14, 15, 21, 32, 33, 103, 104, 134.

NAME: PERDUE, Georgia Persinos CITIZENSHIP: US RACE: White SEX: F

RESIDENCE ADDRESS:

Street and No: 11000 Waycroft Way
City and State: Rockville, MD

Phone: 301/881-6720
Zip Code: 20852

CURRENT POSITION: Owner/Patron

Employer: Natural Products Advocates
Street and No: 11000 Waycroft Way
City and State: Rockville, MD

Phone: 301/881-6720

Zip Code: 20852

PROFESSIONAL SUMMARY: Has held present position since 1977. Previously, she was director/owner of Bergstum Toxicology Laboratory for 5 years; consultant for the Amazon Natural Drug Company; executive director, Natural Products Research Laboratories, Rockville, MD; and director, division of phytochemistry, Natural Products Research Laboratories.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Length of time and job responsibilities.

LANGUAGES SPOKEN FLUENTLY: English; Greek.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacognosy), 1966; M.S. (pharmacognosy), 1962; B.S. (pharmacy), 1960.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; folk remedies/herbal medicines; natural product medicinal chemistry; pharmacology/toxicology.

MAJOR TYPES OF EXPERIENCE: Extemporaneous compounding; dispensing; administration and management; equipment selection/operation/evaluation; and research.

LICENSURE: MA (1960).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Executive director, Natural Products Research Laboratories, Peru, Iquitos, 2-3 wks./yr., private company.

KEY CODES: 05, 07, 21, 28, 45, 101, 135, 136, 139.

NAME: PERKAL, Mark B. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 3800 Labyrinth Road Phone: 301/764-6122
City and State: Baltimore, MD Zip Code: 21215

CURRENT POSITION: Vice President

Employer: Pharmakinetix Laboratories Phone: 301/366-2001
Street and No: 104 E. 25th Street
City and State: Baltimore, MD Zip Code: 21218

PROFESSIONAL SUMMARY: Has been in present position since 1976. Prior positions include vice president, technical director of Biodecision Labs Inc.; research chemist, Carnegie-Mellon University. Experience also includes government communications and consultancies with FDA on NDA submissions, statistical analysis, assay of laboratory samples and clinical drug testing.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None given.

LANGUAGES SPOKEN FLUENTLY: English; Hebrew.

EDUCATIONAL BACKGROUND: Ph.D (chemistry), 1970; B.A. (chemistry), 1965.

MAJOR AREAS OF EXPERTISE: Biopharmaceutics/pharmacokinetics; pharmaceutical analytical chemistry; pharmaceutical dosage forms (semi-solid and solid); pharmacology/toxicology.

MAJOR TYPES OF EXPERIENCE: Product research and development; administration and management; marketing and sales; research.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Research and development, Israel, 11 mos., Hebrew University, Jerusalem, Israel.

KEY CODES: 11, 21, 37, 45, 131, 138, 139, 162, 163.

NAME: PLAKOGIANNIS, Fotios M. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 157-14 Cryders Lane Phone: 212/352-6619
City and State: Beechhurst, NY Zip Code: 11357

CURRENT POSITION: Professor/Director, Div. of Pharmacy Phone: 212/834-6008
Employer: Long Island University College of Pharmacy
Street and No: 75 Dekalb Avenue
City and State: Brooklyn, NY Zip Code: 11201

PROFESSIONAL SUMMARY: Has been with present employer since 1969. Prior positions include research scientist for Sloan-Kettering Research Institute; adjunct associate professor with Downstate Medical Center, teaching biopharmaceutics; visiting associate professor of pharmaceutics, University of Arizona School of Pharmacy; lieutenant in the Royal Hellenic Air Force; director, pharmacy department, Air Force Hospital, Athens, Greece; and visiting professor at the University of Patras School of Pharmacy, Patras, Greece.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Greek.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutics), 1967; M.S. (pharmaceutics), 1963; B.S. (pharmacy), 1958.

MAJOR AREAS OF EXPERTISE: Biopharmaceutics/pharmacokinetics; community/retail pharmacy services; industrial pharmacy; pharmaceutical analytical chemistry; pharmaceutical dosage forms (liquid, semi-solid and solid); pharmaceutical education and training.

MAJOR TYPES OF EXPERIENCE: Administration and management; drug selection/formulary development; extemporaneous and small scale bulk compounding; facilities design/construction; manufacturing/production/processing; product research and development; quality control/quality assurance; research.

LICENSURE: NY (1971); Greece (1959).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Design of pharmaceutical technology lab, Greece, 8 mos., University of Patras.

KEY CODES: 01, 05, 06, 07, 11, 12, 14, 21, 29, 42, 43, 45, 101, 104, 112, 131, 138, 161, 162, 163.

NAME: PORTOGHESE, Philip S.

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 2165 W.Hoyt Avenue
City and State: St. Paul, MN

Phone: 612/373-2196
Zip Code: 55108

CURRENT POSITION: Professor of Medicinal Chemistry

Phone: 612/373-2196

Employer: University of Minnesota

Street and No: College of Pharmacy
City and State: Minneapolis, MN

Zip Code: 55455

PROFESSIONAL SUMMARY: Has been with present employer since 1961 in positions of assistant, associate and full professor of medicinal chemistry and director of graduate studies. Academic positions have included NIH pre- and post-doctoral fellow in the Department of Medicinal Chemistry, University of Kansas. Other experience includes editorship of Journal of Medicinal Chemistry since 1972 and service on editorial boards of Handbook of Stereoisomers, Drugs in Psychopharmacology, CRC Press Inc., and Medicinal Research Series, Marcel Dekker Inc., and as a consultant to the government with the Medicinal Chemistry Study Section B, NIH, Psychopharmacology Research Branch of NIMH and the President's Biomedical Research Panel.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical chemistry), 1961; B.S. (pharmacy), 1953.

MAJOR AREAS OF EXPERTISE: Pharmaceutical education and training; pharmacology; organic medicinal chemistry.

MAJOR TYPES OF EXPERIENCE: Manpower training and development; research.

LICENSURE: NY (1953); MD (1954).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Pharmaceutical consultant, England, 4 years, private agency.

KEY CODES: 137, 139.

NAME: QURESHI, Abdul M. CITIZENSHIP: US RACE: Asian SEX: M

RESIDENCE ADDRESS:
Street and No: 13 Gifford Road Phone: 201/247-7758
City and State: Somerset, NJ Zip Code: 08873

CURRENT POSITION: Project Leader Phone: 212/573-1299
Employer: Pfizer Pharmaceutical Production
Street and No: 630 Flushing Avenue
City and State: Brooklyn, NY Zip Code: 11206

PROFESSIONAL SUMMARY: With present employer since 1982. Prior positions include senior scientist and project leader in process development and in research and development for Schering Corporation; scientist for Danbury Pharmacal; and trainee in quality control and production.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Length of time away from work.

LANGUAGES SPOKEN FLUENTLY: English; Hindi; Persian; and Urdu.

EDUCATIONAL BACKGROUND: M. Pharm. (pharmaceutical sciences), 1979; B. Pharm. (pharmacy), 1969.

MAJOR AREAS OF EXPERTISE: Biopharmaceutics/pharmacokinetics; industrial pharmacy; pharmaceutical chemicals/raw materials; pharmaceutical containers/closures; pharmaceutical dosage forms (liquid, semi-solid, solid, sterile).

MAJOR TYPES OF EXPERIENCE: Cost analysis; equipment engineering/manufacture; equipment selection/operation/evaluation; manufacturing/production/processing; product research and development; research; small scale bulk compounding.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Manufacturing, Pakistan, 2 yrs., apprenticeship, Iran, 2 mos.

KEY CODES: 06, 11, 12, 25, 27, 28, 45, 104, 131, 151, 161, 162, 163, 164, 171.

NAME: RASERO, Lawrence Jr. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS: 33 Belmont Drive
Street and No: Foxmeadow Phone: 302/239-5303
City and State: Hockessin, DE Zip Code: 19707

CURRENT POSITION: Manager of Health Science Facility Phone: 302/772-7001
Employer: E.I. DuPont de Nemours and Co., Inc.
Street and No: Biomedical Products Department
City and State: Wilmington, DE Zip Code: 19898

PROFESSIONAL SUMMARY: Has been with present employer since 1966. Positions have included site manager of Glenolden Laboratory; vice president and general manager of Endo Pharmaceuticals, Inc., Manati, PR; director, quality control control, Endo Labs, Garden City, NY; and senior research pharmacist at Stine Stine Laboratory, Newark, DE.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Must tie in with current employment.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical sciences), 1966; M.S. (hospital pharmacy), 1962; B.S. (pharmacy), 1960.

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; industrial pharmacy; biopharmaceutics/pharmacokinetics; pharmaceutical chemicals/raw materials; pharmaceutical dosage forms (liquid, semi-solid, solid, and sterile); pharmaceutical containers and closures.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; procurement; clinical services; extemporaneous and small scale bulk compounding; drug information; product research and development; manufacturing/production/processing; packaging and labeling; quality control/quality assurance; equipment engineering/operation/evaluation; inventory control; facilities design; research.
LICENSURE: CT (1962); DE (1964); PR (1978).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Managed pharmaceutical production facility, Puerto Rico, 3 1/2 yrs., DuPont.

KEY CODES: 01, 02, 03, 05, 06, 07, 09, 11, 12, 13, 14, 21, 27, 28, 29, 33, 34,
40, 41, 42, 43, 44, 45, 101, 102, 104, 131, 151, 161, 162, 163, 164,
171, 199.

NAME: RIFAT, Parvez

CITIZENSHIP: US

RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: Dogwood Road, RD 6, Box 161
City and State: Hopewell Junction, NY

Phone: 914/221-4524
Zip Code: 12533

CURRENT POSITION: Assistant Vice President
Employer: Edward Mendell Co., Inc.
Street and No: Route 52
City and State: Carmel, NY

Phone: 914/225-2700

Zip Code: 10512

PROFESSIONAL SUMMARY: With present employer since 1977. Prior positions include supervisor of technical services in product formulation; manager and director of technical services covering areas of tableting technology, quality control testing, training of marketing personnel and various administrative functions; senior chemist, research and development for Reed and Carnrick Pharmaceuticals; and quality control pharmacist for Schazoo Laboratories, Pakistan.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Short term only.

LANGUAGES SPOKEN FLUENTLY: English; French.

EDUCATIONAL BACKGROUND: Ph.D. candidate (industrial pharmacy), 1984; St. John's University; M.S. (industrial pharmacy), 1972; B.S. (pharmacy), 1969.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical chemicals/raw materials; solid pharmaceutical dosage forms; technical service.

MAJOR TYPES OF EXPERIENCE: Product research and development; tablet production.

LICENSURE: NY (1976).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Provided technical services to pharmaceutical manufacturers in Europe and Scandinavia.

KEY CODES: 11, 99, 104, 151, 163, 199.

NAME: ROBAYO, Juan Rodriguez CITIZENSHIP: US RACE: Hispan SEX: M

RESIDENCE ADDRESS:

Street and No: 325 SW 99th Street
City and State: Oklahoma City, OK

Phone: 405/799-0301
Zip Code: 73139

CURRENT POSITION: Assoc. Prof./Head, Pharm. Pract. Div.
Employer: University of Oklahoma

Phone: 405/271-6878

Street and No: College of Pharmacy
City and State: Oklahoma City, OK

Zip Code: 73190

PROFESSIONAL SUMMARY: With present employer since 1979. Former positions include associate professor and interim director of clinical pharmacy programs, Wayne State University College of Pharmacy and Allied Health Professions; consultant-ships including health systems consultant w/Westinghouse Electric Corporation, Pan American Health Organization, hospital pharmacy practice programs, and First Brazilian Seminar in Hospital Pharmacy; clinical consultant to Syva International on therapeutic drug monitoring for Latin America; visiting professor of clinical pharmacy, College of Pharmacy, University of Puerto Rico; and chairman of the Santa Fe County Pharmaceutical Association.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Time limitations -- 2 to 3 wks. per trip.

LANGUAGES SPOKEN FLUENTLY: English; Spanish; Portugese.

EDUCATIONAL BACKGROUND: Pharm.D. (clinical pharmacy), 1979; B.A. (natural sciences), 1967; B.Pharm. (pharmacy), 1974.

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; pharmaceutical education and training; biopharmaceutics/pharmacokinetics.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; clinical services; extemporaneous and small scale bulk compounding; dispensing; drug information; administration and management; facilities design and construction; manpower training and development; project/program planning, design, evaluation; research.

LICENSURE: NM (1971); MI (1975); OK (1980).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Assessment of pharmacy needs, Ecuador, 7/82, WHO/PAHO; hospital pharmacy management, Brazil, 10/82, WHO/PAHO; therapeutic drug monitoring, Brazil, 5/82, Venezuela, 6/82, and Mexico, 6/82, all for Syva International; clinical pharmacy development, Costa Rica, 7/82, University of Costa Rica; clinical pharmacy development, 2 mos., Brazil, BID; clinical pharmacy development, Argentina, 2 mos., Univ. Buenos Aires; pharmaceutical needs, Brazil, WHO/PAHO; pharmaceutical/drug help, Chile/Spain, 1 mo.

KEY CODES: 01, 03, 05, 07, 09, 21, 29, 35, 42, 43, 45, 101, 102, 113, 131.

NAME: ROBINSON, Ira C. CITIZENSHIP: US RACE: Black SEX: M

RESIDENCE ADDRESS:

Street and No: 1436 Primrose Road NW
City and State: Washington, DC

Phone: 202/829-5008
Zip Code: 20012

CURRENT POSITION: President

Employer: Universal Pharmaceuticals, Inc.
Street and No: 1728 - 17th Street NE
City and State: Washington, DC

Phone: 202/726-1622

Zip Code: 20002

PROFESSIONAL SUMMARY: Former dean and professor of pharmaceuticals at Howard University College of Pharmacy, Washington, DC, and at Florida A and M University School of Pharmacy, Tallahassee, FL; technical assistant to the vice president for research, medical research committee coordinator, pharmaceutical research project leader, and senior scientist, medicinal products R&D division, Pfizer, R and D division, Pfizer, Inc., Brooklyn, NY and Groton, CT; manufacturing pharmacist, University of Florida Health Service and College of Pharmacy; pharmacist for 23 years; and consultant on health manpower education and training, pharmaceutical manufacturing, and pharmaceutical logistics management to universities, AID, DHEW/DHHS/FDA, LTS, MSH, and several other private firms.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Time limitations -- prefers short-term assignments of 2mos. or less. Longer terms are negotiable.

LANGUAGES SPOKEN FLUENTLY: English; limited French, German, Spanish.

EDUCATIONAL BACKGROUND: Ph.D. (industrial pharmacy/industrial engineering), 1966; B.S. Pharm. (pharmacy), 1961.

MAJOR AREAS OF EXPERTISE: Community/retail, institutional, wholesale and industrial pharmacy services; pharmaceutical associations/organizations; pharmaceutical education and training; pharmaceutical chemicals, containers, dosage forms, and raw materials; biopharmaceuticals; and computer sciences.

MAJOR TYPES OF EXPERIENCE: Administration and management; bulk compounding, manufacturing, packaging, labelling, distribution, inventory control, procurement and warehousing of pharmaceuticals; equipment selection/operation; facility design; logistics planning/management; manpower training/development; product R&D.

LICENSURE: FL (1961); AL (1962); NY (1967); DC (1975); MD (1981).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Pharmacist PHC/FP training program development, Jordan, 1 wk, DOS/AID. Other related: International health pharmaceutical sector resources, 50 days, Logical Technical Services Corp., FDA/AID; inventory of AID-assisted PHC projects with pharmaceutical components, worldwide, 30 days, LTS Corp., FDA/AID; development USAID PHC Formulary for use in LDCs, worldwide, 1 mo., APHA/AID; advisor, Malaria Control Project manufacturing, Zanzibar, 1 wk., APHA/AID; drug shelf lives and costs, 2 wks, MSH/AID.

KEY CODES: 02, 05, 06, 07, 09, 11, 12, 13, 15, 21, 28, 29, 33, 34, 35, 41, 42, 43, 46, 101, 102, 103, 104, 111, 112, 113, 131, 132, 151, 161, 162, 163, 154, 165.

NAME: ROGERS, Alice Lorraine CITIZENSHIP: US RACE: Black SEX: F

RESIDENCE ADDRESS:

Street and No: 5506 South 8th Street
City and State: Arlington, VA

Phone: 703/578-1715
Zip Code: 22204

CURRENT POSITION: Asst. Prof. of Pharmacy Practice
Employer: Howard University College of Pharmacy
Street and No: and Pharmacal Sciences
City and State: Washington, DC

Phone: 202/636-6530

Zip Code: 20059

PROFESSIONAL SUMMARY: Has been with present institution since 1982. Previous positions include assistant professor of clinical pharmacy, coordinator of clinical rotations at San Juan Municipal; acting director of Drug Information Center and faculty advisor at University of Puerto Rico College of Pharmacy; clinical instructor at UCSF; registered pharmacist, CA; part-time instructor of biology at Community College, San Francisco; pharmacy intern at French Hospital, San Francisco; graduate lab assistant at UCSF Medical Center; and math aid/analyst at Aerospace Corporation.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Spanish.

EDUCATIONAL BACKGROUND: Pharm.D. (pharmacy), 1973.

MAJOR AREAS OF EXPERTISE: Hospital/institutional pharmacy services; pharmaceutical education and training; drug information.

MAJOR TYPES OF EXPERIENCE: Clinical services; dispensing; drug information.

LICENSURE: CA (1973).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Assistant professor and acting director of drug information, Puerto Rico, 1 yr. and 10 mos., University of Puerto Rico Medical Sciences Campus.

KEY CODES: 03, 07, 09, 102, 113, 199.

NAME: RYTTING, Joseph Howard CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 3009 Topeka Lane
City and State: Lawrence, Kk

Phone: 913/841-0223
Zip Code: 66044

CURRENT POSITION: Professor of Pharmaceutical Chemisitry
Employer: University of Kansas

Phone: 913/864-3757

Street and No: School of Pharmacy
City and State: Lawrence, KA

Zip Code: 66045

PROFESSIONAL SUMMARY: Has been with present employer since 1969. Earlier served as Upjohn Summer Professor, the Upjohn Co., Kalamazoo, MI, and as senior scientist/physical chemistry consultant, Vick Chemical Co., Mount Vernon, NY.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Finnish.

EDUCATIONAL BACKGROUND: Ph.D. (biochemistry), 1969; B.A. (chemistry), 1966.

MAJOR AREAS OF EXPERTISE: Pharmaceutical education and training; liquid and solid pharmaceutical dosage forms; drug delivery systems.

MAJOR TYPES OF EXPERIENCE: Product research and development; research.

LICENSURE: N/A; a chemist.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Missionary, Finland, 30 mos., the Church of Jesus Christ Latter-Day Saints.

KEY CODES: 11, 45, 113, 161, 163, 199.

NAME: SANDER, Albert A. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: P.O. 201
City and State: Newton, PA

Phone: 215/493-9424
Zip Code: 18940

CURRENT POSITION: Vice President and General Manager

Employer: Adis Press International, Inc.
Street and No: 401 S. State Street
City and State: Newton, PA

Phone: 215/860-2000

Zip Code: 18940

PROFESSIONAL SUMMARY: In present position since 1980. Previously employed at P. I. Advertising in NY as office manager. Also served in positions of product manager, promotion planning manager, and product advertising manager for E. R. Squibb and Sons, Inc. and in similar capacity for Merck Sharp and Dohme International. Developed sales training program for E.R. Squibb and was full line representative. Has also managed several community pharmacies.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: B.S. (pharmacy), 1963.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; industrial pharmacy; pharmaceutical association/organization; pharmaceutical communication and media; pharmaceutical education and training; pharmaceutical product management.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; extemporaneous compounding; dispensing; drug administration and information; administration and management; advertising and promotion; cost analysis; manpower training and development; marketing and sales; market research; operations research; medical publishing.

LICENSURE: TX (1964).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Has traveled dealing with the marketing of pharmaceutical products to UK, France, Italy, Germany, Japan, Peru, Mexico, Australia, New Zealand, Hong Kong and Canada with various pharmaceutical companies.

KEY CODES: 01, 05, 07, 08, 09, 21, 23, 25, 35, 37, 38, 40, 99, 101, 104, 111,
112, 113, 199.

NAME: SCHAEFFER, Hans A.

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 14 Pallant Avenue
City and State: Linden, NJ

Phone: 201/486-5562
Zip Code: 07036

CURRENT POSITION: President

Employer: HA Schaeffer Associates
Street and No: 14 Pallant Avenue
City and State: Linden, NJ

Phone: 201/486-5562

Zip Code: 07036

PROFESSIONAL SUMMARY: Has headed his consulting firm since 1983. His business includes consulting with the pharmaceutical, toiletries, cosmetic and food industries in areas of product development, basic research, manufacturing, raw materials, etc. Prior positions were director of research and development, J.B. Williams Co., Cranford, NJ; assistant director of research, Reed and Carrick division Block Drug Co., NJ; assistant department head, sterile products development, E. R. Squibb and Sons, NJ.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; German.

EDUCATIONAL BACKGROUND: M.S. (chemistry), 1944.

MAJOR AREAS OF EXPERTISE: Biopharmaceutics/pharmacokinetics; pharmaceutical raw materials/chemicals; dental pharmaceuticals, pharmaceutical dosage forms (solid, semi-solid and sterile); pharmaceutical containers, closures.

MAJOR TYPES OF EXPERIENCE: Administration and management; equipment selection/operation/evaluation; manufacturing/production/processing; product research and development; packaging and labelling; regulatory compliance and licensing; and research.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: None.

KEY CODES: 11, 12, 13, 21, 28, 44, 45, 131, 151, 152, 161, 162, 163, 164, 171.

NAME: SCHIFTER, Scott D. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 79 Braithwaite Lane
City and State: Quakertown, PA

Phone: 215/536-7596
Zip Code: 18951

CURRENT POSITION: Senior Applications Engineer

Employer: Merck, Sharpe and Dohme
Street and No: Sumneytown Pike
City and State: West Point, PA

Phone: 215/661-6781

Zip Code: 19486

PROFESSIONAL SUMMARY: Has been with present employer since 1979. Has worked in the capacity of project manager, production supervisor, process validation pharmacist and as quality control inspector. Has also held position as relief pharmacist for Bryn Mawr Hospital, Pennsylvania and as a service manager for an auto dealership. Served seven years in the US Navy as an electronics technician.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None given.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: B.S. (pharmacy), 1979.

MAJOR AREAS OF EXPERTISE: Computer sciences; industrial pharmacy; solid pharmaceutical dosage forms.

MAJOR TYPES OF EXPERIENCE: Administration and management; distribution and warehousing; equipment engineering; equipment selection/operation/evaluation; facilities design/construction; manufacturing/production/processing; project/program planning, design and evaluation; quality control/quality assurance.

LICENSURE: PA (1979).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Process control system, Japan, 9 mos., Nippon-Merck-Banyu Co. LTD / Merck & Co., Inc.

KEY CODES: 12, 14, 15, 21, 27, 28, 29, 42, 43, 104, 132, 163.

NAME: SCHNELLER, George H. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 131 Hunters Lane
City and State: Devon, PA

Phone: 215/688-9471
Zip Code: 19333

CURRENT POSITION: Retired

Employer:
Street and No:
City and State:

Phone: 215/688-4400

Zip Code:

PROFESSIONAL SUMMARY: Prior to retirement, he worked for Wyeth Laboratories, in Radnor, Penn., since 1955 as director, project coordination division; director of Pharmaceutical R and D division and vice president of quality assurance. Other positions included director of pharmaceutical application, American Cyanamid Co., fine chemicals division; various posts at Vick Chemical Co., Wilton, CT.; product development chemist in NY; assistant superintendent, ammonium perchlorate plant in Greensboro, N.C.; director of product development, Cincinnati, OH and Managua; quality control, Carroll Dunham Smith Pharmacal Co., Orange, NJ.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (physical chemistry/chemical engineering), 1946; M.S. (chemistry), 1941; B.S. (pharmacy), 1935.

MAJOR AREAS OF EXPERTISE: Biopharmaceutics/pharmacokinetics; industrial pharmacy; drug epidemiology; folk remedies/herbal medicines; pharmaceutical chemicals/raw materials; pharmaceutical dosage forms (liquid, semi-solid, solid, and sterile); pharmaceutical containers, closures; batch certification of antibiotics; and veterinary pharmaceuticals.

MAJOR TYPES OF EXPERIENCE: Administration and management; drug selection/formulary development; drug information; equipment selection/operation/evaluation; product research and development; manufacturing/production/processing; packaging and labelling; organization development; project/program planning and design; quality control/quality assurance; and bulk compounding.

LICENSURE: NY (1935); NJ (1937); PA (1975).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: International conferences; pharmaceuticals in developing countries, Saudi Arabia, 1982; bioavailability, South Africa, 1972; pharmaceutical industry issues, Netherlands, 1977; bioavailability, Ireland, 1975; bioavailability, Sweden, 1973; bioavailability, Venezuela, 1969.

KEY CODES: 01, 06, 09, 11, 12, 13, 14, 21, 28, 41, 42, 43, 44, 45, 104, 131, 133, 135, 138, 151, 155, 161, 162, 163, 164, 171, 199.

NAME: SCHONDELMEYER, Stephen W. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 414 Cathowood Drive Phone: 317/743-3398
City and State: W. Lafayette, IN Zip Code: 47906

CURRENT POSITION: Asst. Prof. of Pharmacy Administration Phone: 317/494-1470
Employer: Purdue University School of Pharmacy
Street and No: and Pharmacal Sciences
City and State: W. Lafayette, IN Zip Code: 47907

PROFESSIONAL SUMMARY: Has been with present employer since 1983 teaching graduate and undergraduate courses in pharmacy practice. Other teaching posts included assistant professor, College of Pharmacy, University of Arizona; graduate teaching associate, College of Pharmacy, Ohio State University; instructor, College of Nursing, University of Kentucky, and patient educator, Trover Clinic, Madisonville, Kentucky. Pharmacy practice positions included assistant director for clinical pharmacy services, Lancaster-Fairfield County Hospital, Lancaster, OH; community pharmacist, Baltimore, OH; and clinical and hospital pharmacy residency, University of Kentucky.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Assignments of more than 1 month require university approval.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (administration and social science in pharmacy), 1984; M.P.A. (health care administration), 1979; Pharm.D. (clinical pharmacy), 1977; B.S. (pharmacy), 1974.

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; drug epidemiology; economics; pharmaceutical associations/organizations; pharmaceutical communications/media; pharmaceutical education and training; pharmacy services; public health services; psychology; research design/statistics; rural health care delivery; national health policy; computer sciences.

MAJOR TYPES OF EXPERIENCE: Administration and management; advertising and promotion; cost analysis; drug selection/formulary development; clinical services; dispensing; drug information; health services marketing; marketing, sales and research; manpower training and development; operations research; organization development; quality control/quality assurance; survey research.

LICENSURE: MO (1974); KY (1974); AR (1981); IN (1984).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Project I.D.E.A.S., Mideast and European countries, 3 mos., US State Department.

KEY CODES: 01, 03, 04, 07, 09, 14, 21, 23, 25, 31, 35, 37, 38, 40, 41, 42, 43,
46, 99, 101, 102, 111, 112, 113, 123, 125, 132, 133, 134, 140, 199.

NAME: SCHWARTZMAN, George CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 1611 New Bedford Drive Phone: 813/634-2112
City and State: Sun City Center, FL Zip Code: 33570

CURRENT POSITION: President

Employer: G. Schwartzman and Associates Phone: 813/634-2112
Street and No: 1611 New Bedford Drive
City and State: Sun City Center, FL Zip Code: 33570

PROFESSIONAL SUMMARY: Employed, as above, since 1982. Formerly was deputy director of the U.S. Pharmacopeia Drug Research and Testing Laboratories; assistant associate director, pharmaceutical testing, Bureau of Foods, FDA; assistant executive director, Association of Official Analytical Chemists. Other positions held at FDA during 1947 to 1978 were acting deputy director, Bureau of Drugs; assistant director for planning and program coordination, assistant director and special assistant to the director, Division of Pharmaceutical Sciences, and and deputy assistant director for physical sciences research, Bureau of Science; acting deputy director, Division of Antibiotics and Insulin Control; and similar positions.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: B.A. (chemistry), 1940.

MAJOR AREAS OF EXPERTISE: Biopharmaceutics/pharmacokinetics; pharmaceutical analytical chemistry; pharmaceutical containers, closures; particulate matter in large volume parenterals and small volume parenterals.

MAJOR TYPES OF EXPERIENCE: Administration and management; drugs and medical devices consultant; manpower training and development; quality control/quality assurance; regulatory compliance and licensing; research.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Survey of governmental and institutional laboratories, Europe, FDA; design of quality control training laboratory, Brazil, PAHO; similar program for Egypt (Cairo), Government of Egypt.

KEY CODES: 14, 21, 35, 44, 45, 99, 131, 138, 171, 199.

NAME: SCIARRA, John J. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 8 Allent Drive
City and State: Locust Valley, NY

Phone: 516/671-8874
Zip Code: 11560

CURRENT POSITION: Executive Dean, Arnold and Marie
Employer: Schwartz College of Pharmacy
Street and No: Long Island University
City and State: Brooklyn, NY

Phone: 212/403-1005
Zip Code: 11201

PROFESSIONAL SUMMARY: Has been with present employer since 1975. Prior experience includes faculty positions at St. Johns University (from 1957-74) including chairman, Department of Allied Health and Industrial Sciences; assistant dean; director of graduate division; professor of pharmaceutical chemistry; chairman, Department of Pharmaceutical Sciences; and associate professor of pharmaceutical chemistry. Previously was an instructor at the University of Maryland schools of nursing and pharmacy. Industrial experience through consultantships with many chemical, pharmaceutical, cosmetics and food companies.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacy), 1957; M.S. (pharmaceutical chemistry), 1954; M.S. (pharmacy), 1953; B.S. (pharmacy), 1951.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical dosage forms (aerosols); pharmaceutical education and training.

MAJOR TYPES OF EXPERIENCE: Administration and management; manufacturing/production/processing; organization development; quality control/quality assurance; and research.

LICENSURE: NY (1953); PA (1953); MD (1955).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Aerosol technology, South Africa, 1 mo., pharmaceutical and cosmetic companies; aerosol technology, Japan, 3 mos., pharmaceutical and cosmetic companies; aerosol technology, India, 1 mo., pharmaceutical and cosmetic companies; pharmaceutical industry, Mexico, 3 mos., UNIDO.

KEY CODES: 12, 14, 21, 35, 41, 42, 43, 45, 104, 113, 199.

NAME: SHAH, B. K.

CITIZENSHIP: US

RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 540 Highview Ave.
City and State: Pearl River, NY

Phone: 914/623-6158
Zip Code: 10965

CURRENT POSITION: Research Scientist

Employer: New York State Dept. of Health
Street and No: Helen Hayes Hospital Rt. 9W
City and State: West Harverstraw, NY

Phone: 914/947-3000

Zip Code: N/A

PROFESSIONAL SUMMARY: Has held positions as director of Biometrics Laboratory of State of New York OMH; statistician, E. I. Dupont de Nemours and Co.; assistant professor of statistics, M. S. University of Baroda, India. Other professional experience includes 9 yrs. of teaching at graduate and undergraduate levels; 22 yrs. of research in statistics; 14 yrs. of consulting in biomedical and environmental sciences; 15 yrs. of programming Fortran, Basic and APL; 10 yrs. using BMDP, SAS and CMS online programming, and 10 yrs. of administration and management.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: No more than 2 mos. at a time.

LANGUAGES SPOKEN FLUENTLY: English, Hindi.

EDUCATIONAL BACKGROUND: Ph.D. (statistics), 1968; M.S. (statistics), 1957; B.S. (statistics), 1955.

MAJOR AREAS OF EXPERTISE: Public health services; biopharmaceutics/pharmacokinetics; computer sciences; drug epidemiology; and economics.

MAJOR TYPES OF EXPERIENCE: Quality control/quality assurance; administration and management; cost analysis; logistics planning and management; operations research; project/program planning and design; project/program evaluation; survey research; and research.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: The collection and analysis of mortality data with respect to infectious disease, Baroda, India.

KEY CODES: 14, 21, 25, 34, 40, 42, 43, 45, 46, 125, 131, 132, 133, 134.

NAME: SHIHABEDDIN, Mukhtar CITIZENSHIP: US RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 107 Bloomingdale Ave.
City and State: Wayne, PA

Phone: 215/293-9368
Zip Code: 19087

CURRENT POSITION: Senior Pharmacist
Employer: Wyeth Laboratories
Street and No: P.O. Box 8299, Room 3018
City and State: Philadelphia, PA

Phone: 215/341-2879

Zip Code: 19101

PROFESSIONAL SUMMARY: Has been with present employer since January 1984. Prior experience includes assistant research professor and research/teaching assistant in pharmacy, University of Connecticut; medical representative for Astra International, Sweden, Becton-Dickinson-USA, Otsuka-Japan, and Tareq Co., Kuwait, and Diamant-France, Altawon Import Establishment, Jeddah, Saudi Arabia; as well as part-time employment in several Kuwait pharmacies.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Arabic.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacy science), 1984; M.S. (pharmaceutics), 1982; B.S. (pharmacy and physical chemistry), 1970.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; industrial pharmacy; pharmaceutical association/organization; pharmaceutical education and training; computer sciences; pharmaceutical analytical chemistry; pharmaceutical chemicals/raw materials; solid pharmaceutical dosage forms.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; compounding, (extemporaneous and small scale bulk); dispensing; product research and development; advertising and promotion; marketing and sales; research; and transportation.

LICENSURE: Jordan (1970); Kuwait (1972).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Medical representative, Saudi Arabia, 6 mos., Diamant-France; medical representative, Kuwait, 4 yrs. and 8 mos., several companies and community pharmacies.

KEY CODES: 01, 05, 06, 07, 11, 23, 37, 45, 47, 101, 111, 113, 132, 138, 151, 163.

NAME: SINGSHEIMER, Joseph E. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 2525 Blueberry Lane
City and State: Ann Arbor, MI

Phone: 313/662-6085
Zip Code: 48103

CURRENT POSITION: Professor of Chemistry and Toxicology

Phone: 313/764-7351

Employer: University of Michigan
Street and No: College of Pharmacy
City and State: Ann Arbor, MI

Zip Code: 48109

PROFESSIONAL SUMMARY: Has been with present institution since 1960 in capacity of instructor, associate professor and professor. Other positions have included associate and assistant professor, University of Rhode Island; project leader and associate technologist, General Foods Corp.; consultant to Rhode Island Laboratories; Drug Standards Laboratory; National Institute of Cancer; member of the National Formulary Committee on Specifications; and visiting professor at the University of Ghent, Belgium.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Assignment must be compatible with teaching commitments.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical chemistry), 1953; B.S. (pharmacy), 1948.

MAJOR AREAS OF EXPERTISE: Pharmaceutical education and training; pharmaceutical analytical chemistry; toxicology/drug metabolism.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; quality control/quality assurance; and research.

LICENSURE: NY; RI; MI.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Visiting professor, Great Britain, 8 mos., St. Mary's Hospital; visiting professor, Belgium, 1 yr., the University of Ghent.

KEY CODES: 01, 14, 45, 113, 138, 139.

NAME: SISSON, N. Mack

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 202 Asahi Rd., S.E.
City and State: Vienna, VA

Phone: 703/938-3276
Zip Code: 22180

CURRENT POSITION: Chief of Field Operations Service Div. Phone: 202/389-2262
Employer: Veterans Administration, Pharmacy Service 119

Street and No: 810 Vermont Ave., N.W.
City and State: Washington, DC

Zip Code: 20420

PROFESSIONAL SUMMARY: Has been in present position since 1973. Responsibilities include planning and evaluation of unit dose and centralized I.V. programs, and design, approval and review of all pharmacy construction projects. Served as chief of pharmacy services for 3 different VA medical centers and served as staff pharmacist, clinical pharmacy teaching coordinator, and an assistant professor at the University of Florida College of Pharmacy.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: VA approval required.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: M.S. (pharmacy), 1967; B.S. (pharmacy), 1965.

MAJOR AREAS OF EXPERTISE: Pharmacy services, hospital/institutional; and pharmaceutical education and training.

MAJOR TYPES OF EXPERIENCE: Administration and management; facilities design/construction; logistics planning and management; distribution and warehousing; drug administration; manpower training and development; packaging and labelling; procurement.

LICENSURE: TN (1965).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Aided in the development of the pharmacy section of the Saudi Arabia National Guard Hospital, Saudi Arabia, 2 wks.

KEY CODES: 02, 07, 08, 13, 14, 15, 21, 29, 34, 35, 42, 43, 102, 113.

NAME: SMITH, Mickey C.

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 1411 Lawson Street
City and State: Oxford, MS

Phone: 601/234-5335
Zip Code: 38655

CURRENT POSITION: Professor of Health Care Administration Phone: 601/232-5104
Employer: School of Pharmacy

Street and No: University of Mississippi
City and State: University, MS

Zip Code: 38677

PROFESSIONAL SUMMARY: Also currently professor of urban and regional planning and assistant director of the Bureau of Pharmaceutical Services at the University of Mississippi. Prior positions held: chairman, Department of Health Care Administration; interim director of Bureau of Pharmaceutical Services; associate professor and instructor at the University of Mississippi. Also formerly associate professor, University of Missouri School of Pharmacy; instructor (part-time) at Rutgers University College of Pharmacy; marketing manager, Pharmacia Laboratories, Piscataway, N.J.; and visiting professor, University of Bath (England), during a sabbatical leave.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Length of time -- 2 weeks maximum.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacy administration), 1964; M.S. (pharmacy administration), 1962; B.S. Pharm. (pharmacy), 1960.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; industrial pharmacy; pharmaceutical communications, pharmaceutical education and training; family planning; and sociology/psychology.

MAJOR TYPES OF EXPERIENCE: Administration and management; advertising and promotion; health services marketing; marketing and sales; market research; manpower training and development.

LICENSURE: MO (1960); MS (1962).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: National health services study, England, 5 mos., USPHS, Social Security Administration.

KEY CODES: 23, 31, 37, 38, 99, 101, 104, 112, 113, 121, 140.

NAME: SMITH, Robert V. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 4601 Twin Valley Circle Phone: 512/452-4572
City and State: Austin, TX Zip Code: 78731

CURRENT POSITION: Director and Professor

Employer: Drug Dynamics Institute, College of Pharmacy Phone: 512/471-4841
Street and No: University of Texas
City and State: Austin, TX Zip Code: 78712

PROFESSIONAL SUMMARY: Has been with present employer since 1974. Has held positions of associate professor and professor of pharmaceutical chemistry, assistant and associate director of Drug Dynamics Institute and area coordinator of basic pharmaceuticals. Has also held positions of associate and assistant professor of medicinal chemistry at the University of Iowa College of Pharmacy.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Assignments longer than 2 to 3 weeks cannot be accepted.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical chemistry), 1968; M.S. (pharmaceutical chemistry), 1964; B.S. (pharmacy), 1963.

MAJOR AREAS OF EXPERTISE: Pharmaceutical education and training; biopharmaceutics/pharmacokinetics; medicinal chemistry; natural products; pharmaceutical analytical chemistry; pharmaceutical chemicals/raw materials; pharmaceutical dosage forms (liquid, semi-solid, solid, and sterile).

MAJOR TYPES OF EXPERIENCE: Administration and management; equipment selection/operation/evaluation; manpower training and development; organization development; product research and development; project planning, design and evaluation; quality control/quality assurance; and research.

LICENSURE: None.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Feasibility study for quality assurance centers, Bolivia and Ecuador, 1 mo., American Medical International; manpower training, pharmaceutical analytical chemistry, Venezuela, 1 mo., Universidad Central Venezuela; external examiner, Malaysia, 1 mo., University Sains Malaysia.

KEY CODES: 11, 14, 21, 28, 35, 41, 42, 43, 45, 113, 131, 136, 138, 151, 161, 162, 163, 164.

NAME: SMITH, William E. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:
Street and No: 220 Sandorn Ave. Phone: 616/796-7442
City and State: Big Rapids, MI Zip Code: 49307

CURRENT POSITION: Professor of Pharmacy Phone: 616/796-0461
Employer: Ferris State College
Street and No: School of Pharmacy
City and State: Big Rapids, MI Zip Code: 49307

PROFESSIONAL SUMMARY: Has been in present position since 1979. Prior positions include associate professor and professor of pharmacy at the Philadelphia College of Pharmacy and Science; senior pharmaceutical chemist at Smith, Kline, and French Laboratories; US Naval Hospital Corps and 2.5 years in manufacturing pharmacy.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Not available until Fall of 1985.

LANGUAGES SPOKEN FLUENTLY: English; German.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical chemistry), 1963; M.S. (pharmacy), 1958; B.S. (pharmacy), 1952.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical education and training; pharmaceutical dosage forms (liquid, semi-solid, and solid).

MAJOR TYPES OF EXPERIENCE: Small scale bulk compounding; product research and development; and research.

LICENSURE: PA (1952); MD (1953); MI (1959).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Industrial consultant, Nicaragua, 2 wks., Laboratories Solka; extrusion technology for pharmaceuticals, US and Canada, 5 yrs., various US companies; hospital pharmacist, Italy, 1 yr., US Navy.

KEY CODES: 06, 11, 45, 104, 113, 161, 162, 163.

NAME: SPIVEY, Richard N. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:
Street and No: 2 Walden Pond Court Phone: 617/233-7511
City and State: Saugus, MA Zip Code: 01906

CURRENT POSITION: Research Associate/Pharmacology Dept. Phone: 716/275-5176
Employer: University of Rochester
Street and No: 601 Elmwood Ave.
City and State: Rochester, NY Zip Code: 14642

PROFESSIONAL SUMMARY: Has been in present position since January 1984. Has also been a clinical pharmacist in the Department of Pharmacy Services, University of Washington Hospitals, and assistant professor, College of Pharmacy, Washington State University.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Only available for short-term assignments.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (social and administrative pharmacy), 1984;
Pharm.D. (pharmacy), 1978.

MAJOR AREAS OF EXPERTISE: Hospital/institutional pharmacy services; pharmaceutical education and training; national health policy; sociology/psychology; and pharmaceutical regulatory affairs.

MAJOR TYPES OF EXPERIENCE: Administration and management; dispensing; drug information; clinical services; drug selection / formulary development; research; and survey research.

LICENSURE: CA (1979); WA (1978); MN (1981).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Involvement in policy issues and regulations which govern drug development, Europe.

KEY CODES: 01, 03, 04, 07, 09, 21, 45, 46, 102, 113, 123, 140, 199.

NAME: STABA, E. John

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 2840 Stinson Boulevard NE
City and State: Minneapolis, MN

Phone: 612/789-5419
Zip Code: 55418

CURRENT POSITION: Professor

Employer: University of Minnesota
Street and No: College of Pharmacy Unit F-9106
City and State: Minneapolis, MN

Phone: 612/373-2194

Zip Code: 55455

PROFESSIONAL SUMMARY: Has been with present institution since 1968. Previous experience includes positions of assistant professor of pharmacognosy and professor and chairman of the pharmacognosy department at the University of Nebraska; professor and chairman of the Department of Pharmacognosy and assistant dean for professional curriculum at the University of Minnesota; consultant to the US Army Quartermaster Corps and various other food, pharmaceutical and industrial concerns. Was also elected to the US Pharmacopeia Committee on Revision natural products; and was consultant to the NSF and the Egyptian Academy of Scientific Research and Technology.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Responsibilities at University of Minnesota.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacognosy), 1957; B.S. (pharmacy), 1952.

MAJOR AREAS OF EXPERTISE: Pharmaceutical association/organization; pharmaceutical education and training; folk remedies/herbal medicines; natural product medicinal chemistry; pharmaceutical chemicals and raw materials; plant tissue culture.

MAJOR TYPES OF EXPERIENCE: Poison control; equipment selection/operation/evaluation; facilities design/construction; organization development; research; survey research.

LICENSURE: NY (1952); PA (1954); CT (1957); MN (1968).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Lecturer, India, 2 mos., NSF; program evaluation, Egypt, 1/2 mo., NSF; program evaluation, Pakistan, 1 mo., NSF; research, South America (Ecuador), 1/2 mo., industry.

KEY CODES: 10, 28, 29, 41, 45, 46, 111, 113, 135, 136, 151, 199.

NAME: STOHS, Sidney J.

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 501 South 67th St.
City and State: Omaha, Nebraska

Phone: 402/553-8872
Zip Code: 68106

CURRENT POSITION: Prof. and Chairman, Biomedical Chem.

Phone: 402/559-6422

Employer: University of Nebraska

Street and No: College of Pharmacy
City and State: Omaha, Nebraska

Zip Code: 68105

PROFESSIONAL SUMMARY: Has been with present institution since 1967. Positions have included professor and chairman, Department of Medicinal Chemistry and pharmacognosy; associate professor and chairman, member of the graduate faculty and assistant professor, Department of Pharmacognosy. He was also visiting research associate, Department of Forensic Medicine, Karolinska Institute, Stockholm, Sweden.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (biochemistry and nutrition), 1967; M.S. (steroid biochemistry), 1964; B.S. (pharmacy), 1962.

MAJOR AREAS OF EXPERTISE: Pharmaceutical associations/organizations; pharmaceutical education and training; nutrition; natural product medicinal chemistry; pharmaceutical analytical chemistry; pharmacology/toxicology.

MAJOR TYPES OF EXPERIENCE: Administration and management; equipment selection/operation/evaluation; facilities design/construction; inventory control; manpower training and development; organization development; project/program planning and design; and research.

LICENSURE: NE (1973).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Research in toxicology, Sweden, 9 mos., Swedish Research Council; pharmacy curriculum development, Jordan, 1 mo., Jordanian Government.

KEY CODES: 03, 21, 28, 29, 33, 35, 41, 42, 45, 111, 113, 124, 136, 138, 139.

NAME: STOLBA, Sukkary Soheir CITIZENSHIP: US RACE: White SEX: F

RESIDENCE ADDRESS:

Street and No: 8012 Vintage Way
City and State: Fair Oaks, CA

Phone: 916/966-2661
Zip Code: 95628

CURRENT POSITION: Instructor and Consultant

Employer: American River College
Street and No: 8012 Vintage Way
City and State: Fair Oaks, CA

Phone: 916/966-2991

Zip Code: 95628

PROFESSIONAL SUMMARY: Has been with present employer since 1972.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Two weeks prior notice is required.

LANGUAGES SPOKEN FLUENTLY: Arabic; English; French.

EDUCATIONAL BACKGROUND: Ph.D. (anthropology), 1978; M.A. (anthropology), 1975.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; family planning; nutrition; sociology/psychology; socio-economic determinants of drug use.

MAJOR TYPES OF EXPERIENCE: Project/program planning, design and evaluation; research; survey research.

LICENSURE: N/A; an anthropologist.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Pharmacy surveys, Egypt, 6 wks.; Jordan, 1 mo.; Somalia, 1 mo.; and Sudan, 1 yr., all for USAID.

KEY CODES: 42, 43, 45, 46, 101, 121, 124, 140, 199.

NAME: SVOBODA, Gordon Howard CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 3918 Rue Rencoir
City and State: Indianapolis, IN

Phone: 317/253-2194
Zip Code: 46220

CURRENT POSITION: Independent Consultant
Employer:

Street and No: 3918 Rue Rencoir
City and State: Indianapolis, IN

Phone: 317/253-2194

Zip Code: 46220

PROFESSIONAL SUMMARY: Has been an independent consultant since 1978. Previous positions include visiting research professor of pharmacognosy, School of Pharmacy, University of Pittsburg; phytochemist and research associate with Eli Lilly and Co. for 28 years; assistant professor of pharmaceutical chemistry, University of Kansas; graduate teaching assistant and part-time acting instructor, University of Wisconsin; member of executive committee and president of the American Society of Pharmacognosy; member of editorial advisory board of Journal of Pharmaceutical Sciences, and Lloydia.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Due to minor injury, cannot travel for six months from May 1984.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical chemistry), 1949; B.S. (pharmacy), 1944.

MAJOR AREAS OF EXPERTISE: Folk remedies/herbal medicines; natural product medicinal chemistry.

MAJOR TYPES OF EXPERIENCE: Research.

LICENSURE: None.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Has lectured abroad and consulted for Richardson-Merrill on international matters.

KEY CODES: 45, 135, 136.

NAME: TUCKERMAN, Murray M. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS: The Philadelphian 3041
Street and No: Pennsylvania Avenue Phone: 215/232-1643
City and State: Philadelphia, PA Zip Code: 19130

CURRENT POSITION: Professor of Chemistry Phone: 215/221-4921
Employer: Temple University Dept. of Pharmaceutical
Street and No: Economics and Health Care Delivery
City and State: Philadelphia, PA Zip Code: 19140

PROFESSIONAL SUMMARY: Has been with present institution since 1958, and has held positions of head of Department of Pharmaceutical Chemistry; professor and associate professor of chemistry; and assistant in chemistry. Prior positions held include research assistant and research associate, Sterling-Winthrop Research Institute, NY; temporary research associate, Argonne National Laboratory, Illinois; member of Board of Revision, United States Pharmacopeia, Rockville, MD; science advisor to the Philadelphia office of FDA; and consultant to NIH, the University of Panama, National Association of Pharmaceutical Manufacturers, Catalytic, Inc., the USFDA, and PAHO/WHO.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Arrangements are negotiable.

LANGUAGES SPOKEN FLUENTLY: English; French; German; Spanish.

EDUCATIONAL BACKGROUND: Ph.D. (analytical and organic chemistry), 1958; B.S. (pharmacy), 1953; B.S. (chemistry), 1948.

MAJOR AREAS OF EXPERTISE: Pharmaceutical education and training; family planning; pharmaceutical analytical chemistry; board of revision; US Pharmacopeia.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; extemporaneous compounding; dispensing; drug information; quality control/quality assurance; administration and management; regulatory compliance and licensing.

LICENSURE: PA (1953).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Member of European Pharmacopeia, European countries, 6 mos., Council of Europe; consultant, Panama, 1 mo. Republic of Panama; laboratory evaluation and equipment acquisition, Panama, 1 mo., PAHO.

KEY CODES: 01, 05, 07, 09, 14, 21, 44, 99, 113, 121, 138, 199.

NAME: VINCENT, Stella Hadjioannou CITIZENSHIP: US RACE: White SEX: F

RESIDENCE ADDRESS:

Street and No: 120 Rivington Avenue
City and State: Staten Island, NY

Phone: 212/698-2589
Zip Code: 10314

CURRENT POSITION: Research Associate

Phone: 212/472-6325

Employer: Cornell Medical College/New York Hospital
Street and No: 525 East 68th Street
City and State: New York, NY

Zip Code: 10021

PROFESSIONAL SUMMARY: With present institution since 1983. Has been research assistant and teaching assistant, University of Kentucky College of Pharmacy; and post-doctoral fellow at the University of Florida Department of Pharmacology.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Greek.

EDUCATIONAL BACKGROUND: Ph.D. (medicinal chemistry), 1979; B.S. (pharmacy), 1974.

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; natural products medicinal chemistry; pharmacology/toxicology; diagnostic and radioisotope pharmaceuticals; biochemistry.

MAJOR TYPES OF EXPERIENCE: Extemporaneous and small scale bulk compounding; dispensing; product research and development; research.

LICENSURE: Cyprus (1974).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Pharmacy student, Lebanon, 4 yrs., AID; pharmacy intern, Cyprus, 1 yr., Nicosia General Hospital; retail pharmacist, Cyprus, 8 mos., private pharmacy.

KEY CODES: 05, 06, 07, 11, 45, 99, 101, 102, 137, 139, 153, 154, 199.

NAME: VOKOYANA, Glenn Y.

CITIZENSHIP: US

RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 27837
City and State: Rolling Hills, CA

Phone: 213/831-4559
Zip Code: 90274

CURRENT POSITION: Director of Pharmacy Services
Employer: Huntington Memorial Hospital
Street and No: 100 Congress Street
City and State: Pasadena, CA

Phone: 818/440-5179
Zip Code: 91105

PROFESSIONAL SUMMARY: Has been with present employer since 1976. Other positions held include clinical instructor, University of Southern California School of Pharmacy; staff pharmacist and director pharmacy services, St. Vincent Medical Center, Los Angeles, Calif.; staff pharmacist, Save-On and Clark Drugs, Burbank-Hawthorne, Calif.; and staff pharmacist, 1st Lt., PHS/NIH Clinical Center, Bethesda, MD. Has also been consultant to the State Board of Pharmacy evaluation service, Asian Drug Abuse Program, American Heart Association, and County of Los Angeles Peer Evaluations and Appointments.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None given.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Pharm.D. (pharmacy), 1964.

MAJOR AREAS OF EXPERTISE: Pharmacy services, hospital/institutional; pharmaceutical associations/organizations; pharmaceutical communications/media; pharmaceutical education and training.

MAJOR TYPES OF EXPERIENCE: Administration and management; clinical services; dispensing; drug information; drug selection/formulary development; manpower training and development; procurement; small scale bulk compounding.

LICENSURE: CA (1964); NV (1964); DC (1965).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Clinical pharmacy lectures, Japan, Pharmaceutical Society.

KEY CODES: 01, 02, 03, 06, 07, 09, 14, 21, 33, 35, 102, 111, 112, 113.

NAME: WAHBA, Wagdy W. CITIZENSHIP: Can/Egypt RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 342 Towercrest Drive Phone: 412/561-3124
City and State: Pittsburgh, PA Zip Code: 15228

CURRENT POSITION: Instructor of Pharmacol. & Toxicol. Phone: 412/355-6873
Employer: Allegheny County and Duquesne University
Street and No: School of Pharmacy
City and State: Pittsburgh, PA Zip Code: 15219

PROFESSIONAL SUMMARY: Has been toxicology lab supervisor since 1979 and on staff at Duquesne since 1980. Prior positions include manager, Dell Chemists (retail pharmacy), Ontario, Canada; drug information specialist, McMaster University Medical Center, Ontario, Canada; toxicologist, Allegheny County coroner's Office; part-time teaching, AH program, W. Va. Northern Community College School of Nursing; teaching and research assistant at Duquesne University.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Available three to four weeks per year; longer periods can be arranged.

LANGUAGES SPOKEN FLUENTLY: Arabic; English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacology/toxicology), 1974; B.Sc. (pharmacy), 1956.

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; pharmaceutical education and training; pharmacology/toxicology; sterile pharmaceutical dosage forms.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; clinical services; extemporaneous and small scale bulk compounding; dispensing; drug administration and information; poison control; packaging and labelling; quality control/quality assurance; facilities design/construction; project/program planning, design, and evaluation; research.

LICENSURE: Egypt; Ontario, Canada.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Consultant, Egypt, 10 wks., Westinghouse Health Systems/AID; retail pharmacist, Egypt, 6 mos., Champlion's, Pharmacy; owner/manager of retail pharmacy, Egypt, 10 yrs., Wagdy's Pharmacy.

KEY CODES: 01, 03, 05, 07, 08, 09, 10, 13, 14, 29, 42, 43, 45, 101, 102, 112, 139, 164.

NAME: WALTERS, Lois Maria CITIZENSHIP: US RACE: Black SEX: F

RESIDENCE ADDRESS:

Street and No: 6135 South La Cienega Boulevard
City and State: Los Angeles, CA

Phone: 213/776-5929
Zip Code: 90056

CURRENT POSITION: School Nurse, Gage Junior High
Employer: Los Angeles Unified School District
Street and No: 2880 East Gage Avenue
City and State: Los Angeles, CA

Phone: 213/587-5272
Zip Code: 90056

PROFESSIONAL SUMMARY: Has been with present employer since 1982. Previous positions include executive assistant at Harbor UCLA Medical Center; research consultant, Battelle Human Affairs Research Center; management consultant, R. Taylor and Associates International Management Services; technical consultant, community health nurse, World Health Organization; public health nurse instructor, Martin Luther King, Jr. Hospital; staff public health nurse, Southwest Health Center; nursing field representative, Health Facilities Services; and public health clinic nurse, Los Angeles County Health Department.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; some Spanish and French.

EDUCATIONAL BACKGROUND: M.P.A. (public administration/health services), 1973; D.P.A. (public administration), 1982.

MAJOR AREAS OF EXPERTISE: Family planning; maternal and child health; public health services; sociology/psychology.

MAJOR TYPES OF EXPERIENCE: Administration and management; health services marketing; organization development; project/program planning, design and evaluation; research.

LICENSURE: N/A; public health nurse.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Rural health services, India, 2 yrs., World Health Organization/United Nations; management development, Greece, 1 mo., R. Taylor and Associates.

KEY CODES: 21, 31, 41, 42, 43, 45, 121, 122, 125, 140.

NAME: WASSERMAN, Marvin D. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 31-35 138th Street
City and State: Flushing, New York

Phone: 212/762-0889
Zip Code: 11354

CURRENT POSITION: Vice Pres./Sci. and Reg. Affairs
Employer: Whitehall Laboratories
Street and No: 685 Third Avenue
City and State: New York, NY

Phone: 212/878-5502
Zip Code: 10017

PROFESSIONAL SUMMARY: Has been with present employer since 1970. Other positions held were: corporate director of quality assurance of Endo Laboratories, division of E. I. duPont de Nemours and Company; and director of quality assurance and technical services at Sterling International, Winthrop Products, and the Sydney Ross Company.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Available for part-time assignments only.

LANGUAGES SPOKEN FLUENTLY: English; Spanish.

EDUCATIONAL BACKGROUND: M.S. (pharmaceutics/industrial pharmacy), 1957; B.S. (pharmacy), 1955.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; industrial pharmacy.

MAJOR TYPES OF EXPERIENCE: Extemporaneous compounding; dispensing; quality control/quality assurance; administration and management; regulatory compliance and licensing.

LICENSURE: NY (1956); NJ (1956); FL (1956).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Quality assurance, Latin America and Europe, over 9 yrs., Whitehall Laboratories and E. I. duPont Laboratories.

KEY CODES: 05, 07, 14, 21, 44, 101, 104.

NAME: WERTHEIMER, Albert I. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 7800 Ridgeway Road
City and State: Minneapolis, MN

Phone: 612/546-1082
Zip Code: 55426

CURRENT POSITION: Professor, Director of Graduate Studies Phone: 612/376-5326
Employer: University of Minnesota
Street and No: College of Pharmacy
City and State: Minneapolis, MN Zip Code: 55455

PROFESSIONAL SUMMARY: Has been with present employer since 1973, where he presently is professor and director of the Department of Graduate Studies in Social and Administrative Pharmacy.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; French; German.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacy administration), 1969; M.B.A. (business administration), 1967; B.S. (pharmacy), 1965.

MAJOR AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; pharmaceutical education and training; drug epidemiology; folk remedies/herbal medicines; sociology/psychology.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; procurement/purchasing; distribution and warehousing; administration and management; cost analysis; health services marketing; research; survey research.

LICENSURE: NY (1965); DC (1965); IN (1967); MN (1973).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Essential drugs, assorted countries, 6 mos., World Health Organization; pharmacy services management, assorted countries, 3 mos., Pan American Health Organization; financing, USSR, Hungary, Romania and Bulgaria, 2 mos., National Institutes of Health; organization of services, various countries, NCHSR.

KEY CODES: 01, 02, 15, 21, 25, 31, 34, 35, 41, 43, 45, 46, 101, 102, 113, 125,
133, 135, 140, 199.

NAME: WITIAK, Donald Theodore CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 9344 Fairview Road
City and State: Mount Vernon, OH

Phone: 614/397-0862
Zip Code: 43050

CURRENT POSITION: Professor of Medicinal Chemistry
Employer: Ohio State University College of Pharmacy
Street and No: 1580 Cannon Drive
City and State: Columbus, OH

Phone: 614/422-2376
Zip Code: 43210-1205

PROFESSIONAL SUMMARY: Has been with present institution since 1967 and is also director of the Pharmaceutical and Toxicological Research Institute. Prior experience includes positions of professor and chairman of medicinal chemistry and pharmacognosy and associate professor of medicinal chemistry at Ohio State University. At the University of Iowa, his previous positions include assistant and associate professor of medicinal chemistry.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (medicinal chemistry), 1961; B.S. (pharmacy), 1958.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical education and training; natural product medicinal chemistry; synthetic medicinal chemistry; pharmacology/toxicology; pharmaceutical chemicals and raw materials; diagnostic pharmaceuticals; veterinary pharmaceuticals.

MAJOR TYPES OF EXPERIENCE: Product research and development; administration and management; research.

LICENSURE: KS (1960).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Medicinal chemistry lectures, Italy, 2 wks., Italian Government; medicinal chemistry lectures, Egypt, 2 wks., Egyptian Government.

KEY CODES: 11, 21, 45, 104, 113, 136, 137, 139, 151, 153, 155, 199.

NAME: WITT, Michael David CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:
Street and No: 21 Bowdoin Street 5C Phone: 617/742-6532
City and State: Boston, MA Zip Code: 02114

CURRENT POSITION: Associate Attorney Phone: 617/725-1411
Employer: Warner and Stockpole
Street and No: 28 State Street
City and State: Boston, MA Zip Code: 02109

PROFESSIONAL SUMMARY: Has been with present firm since 1982. Prior positions include consultant and summer law clerk with Crosby, Heafy, Roach and Way, CA; summer law clerk with Diepenbrock, Wulff, Plant and Hannegan, CA; pharmacist, associate with Warner and Stockpole, MA; and adjunct assistant professor of pharmacy at the Massachusetts College of Pharmacy. Also served as executive director of Health Matrix: The Quarterly Journal of Health Services Management and rotated through various positions at the University of California Medical Center (Moffit Hospital, UCSF), San Francisco.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacy), 1978; J.D. (law, medical/pharmaceutical jurisprudence), 1982.

MAJOR AREAS OF EXPERTISE: Hospital/institutional pharmacy services; pharmaceutical education and training; biopharmaceutics/pharmacokinetics; drug epidemiology; pharmacology/toxicology; new drug applications; investigational devices.

MAJOR TYPES OF EXPERIENCE: Clinical services; prescribing; drug information; poison control; import/export management; FDA law.

LICENSURE: CA (1978) general licensure in pharmacy; CA (1979) completion of clinical pharmacy training program.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Pharmaceutical import/export, China, 6 mos., private corporation.

KEY CODES: 03, 04, 09, 10, 32, 99, 102, 113, 131, 133, 139, 199.

NAME: WOLF, Harold H. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 4512 Bruce Street
City and State: Salt Lake City, Utah

Phone: 801/278-1758
Zip Code: 84117

CURRENT POSITION: Dean and Professor of Pharmacy

Employer: University of Utah
Street and No: College of Pharmacy
City and State: Salt Lake City, Utah

Phone: 801/581-3403

Zip Code: 84112

PROFESSIONAL SUMMARY: Has been with present employer since 1976. Previous positions include 15 years at Ohio State University as assistant professor, associate professor, and chairman of pharmacology, College of Pharmacy; National Institutes of Health predoctoral fellow, University of Utah; visiting lecturer for the American Association of Colleges of Pharmacy; consultant to APhA-FDA drug communications project, National Board of Examiners in Optometry, Upjohn pharmacy consultant panel; board of directors, American Foundation for Pharmaceutical Education; and internal review group, NIH Biomedical Research Development Program.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacology), 1961; B.S. (pharmacy), 1956.

MAJOR AREAS OF EXPERTISE: Pharmaceutical education and training; pharmacology and toxicology.

MAJOR TYPES OF EXPERIENCE: Administration and management; facilities design/construction; manpower training and development; organization development; project/program planning, design and evaluation; research.

LICENSURE: UT (1976).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Visiting professor and program consultant, Malaysia, 10 mos., Fulbright Program; program consultant, Singapore and Thailand, 2 wks., for the respective universities; external examiner, Malaysia, 5 wks., Malaysian Government.

KEY CODES: 21, 29, 35, 41, 42, 43, 45, 113, 139.

NAME: WOLFRED, Morris M.

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 223 McCarty Drive
City and State: Beverly Hills, CA

Phone: 213/277-2616
Zip Code: 90212

CURRENT POSITION: President

Employer: Drug Research Associates, Inc.
Street and No: 9735 Wilshire Boulevard
City and State: Beverly Hills, CA

Phone: 213/274-7113

Zip Code: 90212

PROFESSIONAL SUMMARY: Has been self-employed since 1953 as a consultant in pharmaceutical development, pharmacology, and toxicology. Professional activities include memberships on various committees, boards and programs; associate editor of the Bulletin of Laboratory Medicine and Journal of the California Pharmaceutical Association; research associate with the National Naval Medical Research Institute; director of research for the Psychoendocrine Research Foundation; research and development screening for Cutter Laboratories; founding member of board of directors of Comprehensive Health Planning Association of Los Angeles County; vice president of research and development; teaching affiliations; associate and assistant professor in pharmacology and toxicology.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None; length of time may be a problem if long periods of time are involved.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmaceutical chemistry), 1944; M.S. (pharmaceutical chemistry), 1942; B.S. (pharmacy), 1941.

MAJOR AREAS OF EXPERTISE: Community/retail pharmacy services; industrial pharmacy; pharmaceutical communications/media; pharmaceutical education and training; national health policy; pharmacology/toxicology; therapeutic drug evaluation.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; procurement; prescribing; dispensing; drug administration; product research and development; administration and management; health services marketing; research.

LICENSURE: None.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Advisor and consultant, China, 2 yrs., Minister of Health of China.

KEY CODES: 01, 02, 04, 07, 08, 11, 21, 31, 45, 101, 104, 112, 113, 123, 139, 199.

NAME: WOLKOFF, Hal N. CITIZENS' P: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 14 Ingleside Road Phone: 201/783-3675
City and State: Upper Montclair, NJ Zip Code: 07043

CURRENT POSITION: Sr. Vice Pres., Development Operations Phone: 201/429-4038

Employer: Schering Plough Corporation
Street and No: 86 Orange Street
City and State: Bloomfield, NJ Zip Code: 07003

PROFESSIONAL SUMMARY: Has been with present company since 1960. Positions have included research pharmacist; group leader of special projects; section head of exploratory research; department manager, associate director and director of pharmaceutical research and development (domestic and international); director of manufacturing services; senior director of pharmaceutical and analytical research and development; vice president of pharmaceutical sciences; and vice president of pharmaceutical and microbiological development. Has also chaired various committees and served as guest lecturer at Columbia University College of Pharmaceutical Sciences.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Available for short term (up to 1 wk.) assignments only.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacy), 1960; M.S. (pharmacy), 1959; B.S. (pharmacy), 1956.

MAJOR AREAS OF EXPERTISE: Community/retail and wholesale pharmacy services; industrial pharmacy; pharmaceutical association/organization; biopharmaceutics/pharmacokinetics; pharmaceutical dosage forms (liquid, semi-solid, solid and sterile); pharmaceutical containers and closures.

MAJOR TYPES OF EXPERIENCE: Extemporaneous and small scale bulk compounding; dispensing; product research and development; manufacturing/production/processing; packaging and labeling; quality control/quality assurance; administration and management; manpower training and development; organization development; project and program planning/design/evaluation; and research.

LICENSURE: NY (1956).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Directed pharmaceutical laboratories, France and Mexico, 3 yrs. each; general management of chemical pilot plant and analytical and pharmaceutical research and development laboratory, Switzerland, 10 yrs., Schering Corporation.

KEY CODES: 05, 06, 07, 11, 12, 13, 14, 21, 35, 41, 42, 43, 44, 45, 101, 103,
104, 111, 131, 161, 162, 163, 164, 171.

NAME: WOODWARD, Carl R.

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 253 Lawrence Avenue
City and State: Highland Park, NJ

Phone: 201/247-0703
Zip Code: 08904

CURRENT POSITION: Retired since 1983.

Phone:

Employer:
Street and No:
City and State:

Zip Code:

PROFESSIONAL SUMMARY: Professional and business experience includes 22 years with Warner-Lambert Pharmaceutical Company, Morris Plains, NJ, as technical writer, corporate quality control; manager, dental research, microbiological services laboratory; and research associate, microbiological research services consumer products group. Prior positions include: head of in-process quality control laboratories, Ortho Pharmaceutical Corporation; production supervisor, E. R. Squibb and Sons; administrative assistant to the director of research and development laboratories, and assistant department head of biological quality control laboratories; and as antibiotic supervisor, Merck and Co.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None given.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: B.S. (microbiology), 1940.

MAJOR AREAS OF EXPERTISE: Biological preparations (vaccines, etc.); microbiology; pharmaceutical dosage forms (sterile).

MAJOR TYPES OF EXPERIENCE: Administration and management; applied and industrial microbiology/fermentation antibiotics; quality control/quality assurance.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Served our Canadian and Puerto Rican affiliations on many occasions.

KEY CODES: 14, 21, 99, 164, 165, 199.

NAME: WRIGHT, William W. CITIZENSHIP: US RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 1301 Dilston Place
City and State: Silver Spring, MD

Phone: 301/434-4422
Zip Code: 20903

CURRENT POSITION: Senior Scientist

Employer: U.S. Pharmacopeal Convention, Inc.
Street and No: 12601 Twinbrook Parkway
City and State: Rockville, MD

Phone: 301/881-0666

Zip Code: 20852

PROFESSIONAL SUMMARY: Has been in present position since 1979. Previously employed at US Food and Drug Administration since 1945, where he served as acting director and deputy associate director of pharmaceutical research and testing, bureau of drugs; director of the division of drug biology; acting director and deputy director of the National Center for Antibiotics and Insulin Analysis (formerly division of antibiotics and insulin certification); director of research; director of control laboratories; chemistry branch chief and chemist of the division of antibiotics. Before employment at FDA, he was a chemist with the US National Bureau of Standards.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: Length of time -- 1 month or less.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (biochemistry), 1948; M.S. (biochemistry), 1946; B.S. (chemistry/mathematics), 1944.

MAJOR AREAS OF EXPERTISE: Analytical pharmaceutical chemistry; antibiotics; veterinary pharmaceuticals; pharmaceutical dosage forms (solid, sterile).

MAJOR TYPES OF EXPERIENCE: Administration and management; quality control/quality assurance; regulatory compliance and licensing; and research.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Biological standardization and consultant on pharmaceuticals and antibiotics, Switzerland, 30 weeks, WHO Expert Committee.

KEY CODES: 14, 21, 44, 45, 138, 155, 163, 164, 199.

NAME: WYATT, Dorothy K. CITIZENSHIP: US RACE: White SEX: F

RESIDENCE ADDRESS:

Street and No: 7924 Ivymont Terrace
City and State: Potomac, MD

Phone: 301/299-6326
Zip Code:

CURRENT POSITION: National Professional Oppty. Fellow
Employer: Department of Chemistry
Street and No: The American University
City and State: Washington, DC

Phone: 301/299-6326
Zip Code: 20016

PROFESSIONAL SUMMARY: Has been a full-time student at American University since 1981. Prior experience includes staff scientist and supervisor, Hazleton Laboratories America, Vienna, Va.; reference standards supervisor and analytical research chemist, USP, Rockville, MD; teaching assistant at the University of Maryland, College Park; and consultant and technical specialist to the USP advisory panel on reagents; FCC/USP Task force; NF XIV advisory panel on reagents, reference standards, natural products and gas chromatography; and NF XIV advisory panel on reference standards.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; French; and Spanish.

EDUCATIONAL BACKGROUND: Ph.D. (organic/analytical chemistry), 1984; M.S. (organic/analytical chemistry), 1983; B.S. (chemistry), 1967.

MAJOR AREAS OF EXPERTISE: Pharmaceutical association/organization; pharmaceutical analytical chemistry; pharmaceutical chemicals, raw materials; pharmaceutical dosage forms (liquid, semi-solid, and solid).

MAJOR TYPES OF EXPERIENCE: Administration and management; equipment selection/operation/evaluation; facilities design/construction; inventory control; manpower training and development; product research and development; project/program planning/design/evaluation; quality control/quality assurance; and research.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Training pharmaceutical chemists, Brazil, 4 mos., PAHO; training pharmaceutical chemists, Venezuela, 8 mos., PAHO; trained Mexican graduate student, Mexico, 1 mo., National Committee of Science and Technology.

KEY CODES: 11, 14, 21, 28, 29, 33, 35, 42, 43, 45, 111, 138, 151, 161, 162, 163.

NAME: YELVIGI, Mukund S. CITIZENSHIP: India RACE: Asian SEX: M

RESIDENCE ADDRESS:

Street and No: 212 Atlantic Drive
City and State: Vernon Hills, IL

Phone: 312/367-8956
Zip Code: 60061

CURRENT POSITION: Research Investigator, Pharmaceutical
Employer: Development, R and D Division
Street and No: G. D. Searle and Co.
City and State: Skokie, IL

Phone: 312/982-4832
Zip Code: 60077

PROFESSIONAL SUMMARY: Has been with present employer since 1982. Prior positions include project scientist, pharmaceutical technical services, and section head, capsule manufacturing division for Parke-Davis and Co., Lititz, PA; research pharmacist (formulation department) for William H. Rorer, Ft. Washington, PA; research pharmacist for Invenex Pharmaceutical Company, Grand Island, NY; and product development chemist, pharmaceutical development department for Hoechst Pharmaceutical Company, Bombay, India.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None.

LANGUAGES SPOKEN FLUENTLY: English; Hindi; Kanares; and Marathi.

EDUCATIONAL BACKGROUND: M.S. (natural products chemistry), 1976; M.S. (industrial pharmacy), 1972; B.S. (pharmacy), 1969.

MAJOR AREAS OF EXPERTISE: Industrial pharmacy; pharmaceutical education and training; pharmaceutical dosage forms (liquid, semi-solid, solid, and sterile).

MAJOR TYPES OF EXPERIENCE: Drug selection/formulation development; drug information; equipment engineering/manufacture; equipment selection/operation/evaluation; facilities design; product research and development; manufacturing/production/processing.

LICENSURE: N/A.

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Development pharmacist, India, 2 1/2 yrs., Hoechst Pharmaceutical Co., Bombay, India.

KEY CODES: 01, 09, 11, 12, 27, 28, 29, 104, 113, 161, 162, 163, 164.

NAME: YOUNGKEN, Heber W.

CITIZENSHIP: US

RACE: White SEX: M

RESIDENCE ADDRESS:

Street and No: 82 Oakwoods Drive
City and State: Peace Dale, RI

Phone: 401/789-6237
Zip Code: 02879

CURRENT POSITION: Dean and Professor Emeritus
Employer: University of Rhode Island
Street and No: School of Pharmacy
City and State: Kingston, RI

Phone: 401/792-2030
Zip Code: 02881

PROFESSIONAL SUMMARY: Has been with present institution since 1957. Positions held at URI have included professor of pharmacognosy; provost for health affairs and dean, College of Pharmacy. Earlier professional employment included professor of pharmacognosy and chairman of the department, and director of Drug Plant Laboratories, College of Pharmacy, University of Washington (Seattle); and teaching assistant, University of Minnesota. Has also held invitational professorships to University of London School of Pharmacy, Taiwan Medical College, University of Cairo, University of Saskatchewan, Canada, and University of Manitoba, Canada.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None given.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (pharmacognosy), 1942; M.S. (pharmacognosy), 1940; B.S. (pharmacy), 1938; A.B., 1935.

MAJOR AREAS OF EXPERTISE: Folk remedies/herbal medicines; national health policy, natural products; medicinal chemistry; pharmaceutical association/organization; pharmaceutical communications/media; pharmaceutical education and training

MAJOR TYPES OF EXPERIENCE: Administration and management; manpower training and development; poison control; product research and development; research.

LICENSURE: RI (1958).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: Marine Drugs, Taiwan, 10 days, NSF; toxic plants, pharmacognosy, Egypt, 2 weeks, NSF; and toxic plants, pharmacognosy, England, 3 mos., University of London.

KEY CODES: 10, 11, 21, 35, 45, 111, 112, 113, 123, 135, 136, 199.

NAME: ZELEZNICK, Lowell D.

CITIZENSHIP: US

RACE: WOC

SEX: M

RESIDENCE ADDRESS:

Street and No: 17642 Westbury

City and State: Tustin, CA

Phone: 714/731-4874

Zip Code: 92680

CURRENT POSITION: Director, New Products Evaluation

Employer: Research and Development

Street and No: Allergan Pharmaceuticals

City and State: Irvine, CA

Phone: 714/752-4500

Zip Code: 92715

PROFESSIONAL SUMMARY: Has been with present employer since 1978. In addition to present position, he has been director of corporate new ventures, director of ophthalmology research program, and director of the dermatology research program. Other professional positions include consultant to Lima Division Technical Management Institute; vice president for science and technology, Aerway Laboratories; director of allergy research and development, Alan Labs; biochemist, the Upjohn Company; and adjunct professor at Texas Christian College.

CONSTRAINTS TO ACCEPTING CONSULTING ASSIGNMENTS: None given.

LANGUAGES SPOKEN FLUENTLY: English.

EDUCATIONAL BACKGROUND: Ph.D. (biochemistry), 1961; B.S. (pharmacy), 1956.

MAJOR AREAS OF EXPERTISE: Biological preparations (vaccines, etc.); industrial pharmacy.

MAJOR TYPES OF EXPERIENCE: Drug selection/formulary development; product research and development; project/program planning, design and evaluation.

LICENSURE: IL (1956); TX (1975).

CONSULTING AND OTHER PROFESSIONAL EXPERIENCE ABROAD: None. Panel on allergenic extracts, US, 2 yrs., FDA; respiratory sterile unit dose, US, 8 yrs., private company.

KEY CODES: 01, 11, 42, 43, 104, 165, 199.

Part III:

**ORGANIZATIONS, INSTITUTIONS,
AGENCIES AND FIRMS IN THE U.S.
PHARMACEUTICAL SECTOR
WITH EXPERTISE IN
INTERNATIONAL HEALTH**

NAME OF ENTITY: AMERICAN COLLEGE OF CLINICAL PHARMACY

EXECUTIVE: Robert M. Elerbaas, Secretary

ENTITY ADDRESS:

Division:
Street and No: 2411 Holmes Street
City and State: Kansas City, MO

PHONE: 816/556-3163
TELEX: N/A
CABLE: N/A

Zip Code: 64108

TYPE: Non-Profit Organization

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: N/A

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: None. However, through its membership of some 450 members, the ACCP can readily identify individuals with experience in the following areas: clinical services, drug information; drug selection/formulary development; manpower training and development; organization development; poison control; prescribing; product research and development; and research.

AREAS OF EXPERTISE: Biopharmaceutics/pharmacokinetics; clinical pharmacy practice; clinical pharmacy research; nutrition; pharmaceutical associations/organizations; pharmaceutical communications/media; pharmaceutical education and training; and pharmacology/toxicology.

COUNTRIES SERVED: Our publications are distributed to subscribers worldwide.

CORPORATE/INSTITUTIONAL BACKGROUND: Founded in 1979 and incorporated in Missouri, ACCP has as its key goals: to promote the rational use of drugs; to advance the principles and practice of clinical pharmacy; to promote interdisciplinary health care; to assure high quality clinical pharmacy practice by establishing standards of education, training and practice; and to encourage research and communication in clinical pharmacy.

PHYSICAL FACILITIES AND OTHER RESOURCES: As an organization composed exclusively of clinical pharmacists practicing, teaching and performing research at an advanced level, the expertise and strength rest with these individuals. The ACCP itself has limited physical facilities but can effectively serve to identify members with expertise which may not be readily available otherwise.

PERSONNEL: This organization has no dedicated international program staff but works principally through its secretary and membership.

CODES: 01, 03, 04, 09, 10, 11, 35, 41, 45, 102, 111, 112, 113, 124, 131, 139, 199.

NAME OF ENTITY: AMERICAN PHARMACEUTICAL ASSOCIATION

EXECUTIVE: John F. Schlegel, Pharm.D., M.Ed., President

ENTITY ADDRESS: PHONE: 202/628-4410
Division: TELEX: N/A
Street and No: 2215 Constitution Ave., N.W. CABLE: N/A
City and State: Washington, DC Zip Code: 20037

TYPE: Non-Profit Organization

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: N/A.

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: Drug selection/formulary development; scientific and other professional journal publishing and dissemination; and drug standards.

AREAS OF EXPERTISE: Through its members in the US and abroad: community/retail, hospital/institutional and wholesale pharmacy services; industrial pharmacy; communications/media; education and training; biopharmaceutics/pharmacokinetics; computer sciences; economics; natural product and synthetic medicinal chemistry; analytical chemistry; pharmacology/toxicology; pharmaceutical dosage forms; and all other areas of expertise represented within the pharmaceutical sector.

COUNTRIES SERVED: Worldwide through its Journal of Pharmaceutical Sciences, its prior publication of the National Formulary, its representation and participation in the FIP for many years, and its several other professional publications which are disseminated to members and subscribers abroad.

CORPORATE/INSTITUTIONAL BACKGROUND: The APHA is the national professional society of pharmacists with more than 50,000 pharmacist and student members in the US and around the world. Founded in 1852, it holds membership in the International Federation of Pharmacists; formerly published the National Formulary, one of the official compendia of the US; and publishes several publications, including the Journal of Pharmaceutical Sciences, American Pharmacy, a pharmacy weekly, the Pharmacy Student, Academy Reporter, Pharmacy Practice, and the Handbook of Non-Prescription Medication, among others.

PHYSICAL FACILITIES AND OTHER RESOURCES: The APHA is housed in the American Institute of Pharmacy in Washington, D.C. Its facilities and resources include a library, the Academy of Pharmaceutical Sciences, the Academy of Pharmacy Management, the Academy of Pharmacy Practice, and the Pharmacy Intelligence Center.

PERSONNEL: N/A

CODES: 01, 41, 99, 101, 102, 103, 104, 111, 112, 113, 131, 132, 134, 136, 137, 138, 139, 151, 152, 153, 154, 155, 161, 162, 163, 164, 165, 171.

NAME OF ENTITY: CHAS. R. DREW POSTGRADUATE MEDICAL SCHOOL

EXECUTIVE: M. Alfred Hayes, M.D., Dean

ENTITY ADDRESS: Office of International Health

Division: and Economic Development

Street and No: 1621 East 120th Street

City and State: Los Angeles, CA

PHONE: 213/603-3041

TELEX: 9103286150

CABLE: DREW LSA

Zip Code: 90059

TYPE: Non-Profit/Minority

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: Viola Vaughn, Acting Director

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: Administration and management; drug selection; drug administration; facilities design/construction; health services marketing; manpower training and development.

AREAS OF EXPERTISE: National health policy; hospital, institutional, retail and wholesale pharmacy services; public health services.

COUNTRIES SERVED: Costa Rica, 3 mos.; Egypt, 3 mos.; Ethiopia and Uganda, 2 yrs.; Kenya, 3 yrs., 6 mos.; Kenya and Nigeria, 18 mos.; Liberia, continuing; Mali, continuing; Senegal, continuing; Zimbabwe, continuing.

CORPORATE/INSTITUTIONAL BACKGROUND: Charles R. Drew Medical School, a private non-profit institution, began in August, 1966, offering education programs in collaboration with UCLA. The Office of International Health, established in February, 1979, is designed to increase the health and development of underserved populations throughout the developing world.

PHYSICAL FACILITIES AND OTHER RESOURCES: Drew has a new medical education center, administrative office and facility space within the Martin Luther King, Jr. Hospital complex. This includes use of the complete hospital facilities. Drew also has a large data processing center, and procurement office, as well as faculty, staff, residents and interns, and students.

PERSONNEL: The staff is composed of 11 persons, including one pharmacist and one volunteer.

CODES: 01, 21, 29, 31, 35, 101, 102, 103, 123, 125.

NAME OF ENTITY: FLORIDA A AND M UNIVERSITY

EXECUTIVE: Charles Walker, Ph.D., Dean

ENTITY ADDRESS: Florida A and M University

Division: College of Pharmacy

Street and No: Box 397

City and State: Tallahassee, FL

PHONE: 904/599-3593

TELEX: N/A

CABLE: N/A

Zip Code: 32307

TYPE: Non-Profit Organization/Minority

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: N/A

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: The Dean and faculty members of the FAMU College of Pharmacy have participated in numerous international health conferences at home and abroad, and several faculty members have served on the faculty and/or as advisors at colleges of pharmacy in several countries, including Egypt and parts of Latin America. Several faculty members are serving as PI's of research contracts/grants and other projects funded by AID.

AREAS OF EXPERTISE: Administration and management; clinical services; compounding (extemporaneous/small scale bulk); clinical services; dispensing; drug information; manpower training and development; pharmaceutical logistics planning and management; project/program planning and design; project/program evaluation; and research, including survey research.

COUNTRIES SERVED: Egypt, Jamaica, Panama.

CORPORATE/INSTITUTIONAL BACKGROUND: FAMU/COP was established in 1950 as a baccalaureate program. It has subsequently offered the Master of Science degree in the pharmaceutical sciences and a Doctor of Pharmacy (Pharm.D.) degree program and recently has been authorized to offer the Doctor of Philosophy (Ph.D.) degree in the pharmaceutical sciences. A predominantly Black institution, FAMU has had major experience in educating and training Third World pharmacy manpower for the US and LDC's for practice, education, research, industry and government.

PHYSICAL FACILITIES AND OTHER RESOURCES: The college's facilities include administrative, teaching and research offices and laboratories, a learning resources center with CCTV origination and distribution capabilities, a drug information center and other resources in Tallahassee, Fla. Further, it operates clinical pharmacokinetics laboratories in Miami, Fla., and clinical training facilities at various sites throughout the State of Florida. It boasts a faculty with multi-national and multi-lingual capabilities with a record of accomplishment in industry, teaching and research.

PERSONNEL: Twenty-two professional staff, a majority of whom are pharmacists and pharmacologists.

CODES: 03, 07, 09, 13, 21, 34, 35, 42, 43, 45, 46, 101, 102, 112, 113, 131, 132, 136, 137, 139, 161, 162, 163, 164, 165.

NAME OF ENTITY: GEORGIA, UNIVERSITY OF

EXECUTIVE: Howard C. Ansel, Ph.D., Dean

ENTITY ADDRESS: College of Pharmacy

Division:

Street and No: Robert C. Wilson Pharmacy Building

City and State: Athens, GA

Zip Code: 30602

PHONE: 404/542-1911

TELEX: N/A

CABLE: N/A

TYPE: Non-Profit Organization

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: N/A

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: Pharmaceutical research at universities abroad.

AREAS OF EXPERTISE: Biopharmaceutics/pharmacokinetics; medicinal chemistry; pharmaceutical dosage forms.

COUNTRIES SERVED: Foreign universities, 4-5 yrs.

CORPORATE/INSTITUTIONAL BACKGROUND: Academic programs in pharmacy including instruction, research and service. The University of Georgia was founded in 1795; the College of Pharmacy was founded in 1903.

PHYSICAL FACILITIES AND OTHER RESOURCES: The College of Pharmacy facility includes office, classroom, administrative, laboratory and research space totaling 96,000 sq. ft. In addition, facilities are utilized for clinical education/research/service at the Medical College of Georgia in Augusta.

PERSONNEL: The faculty is comprised of 48 persons.

CODES: 45, 131, 136, 137, 161, 162, 163, 164.

NAME OF ENTITY: HEALTH INFORMATION DESIGNS, INC.

EXECUTIVE: Aida A. LeRoy, Pharm.D.
Chief Executive Officer

ENTITY ADDRESS:

Division: Suite 1420
Street and No: 1616 N. Ft. Myer Drive
City and State: Arlington, VA

PHONE: 703/528-2032

TELEX: N/A

CABLE: N/A

Zip Code: 22209

TYPE: Small Business/Minority 8(a)

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: Aida A. LeRoy, Pharm.D.

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: Drug selection/formulary development; procurement/purchasing; clinical services; dispensing; distribution and warehousing; drug administration; drug information; drug utilization review; administration and management; inventory control; logistics planning and management; operations research; packaging and labelling; project/program planning, design and evaluation; and research.

AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; pharmaceutical education and training; national health policy; public health services; computer sciences; and drug epidemiology.

COUNTRIES SERVED: Antigua, 1 mo.; Barbados, 1 mo.; Costa Rica, 2 mos.; Guatemala, 2 mos.; Honduras, 1 mo.; Panama, 2 mos.; St. Vincent, 1 mo.

CORPORATE/INSTITUTIONAL BACKGROUND: Health Information Designs, Inc., was incorporated in the State of Florida in 1976 with the major objective of promoting the rational use of pharmaceuticals through drug use research, drug epidemiology research, drug monitoring programs, and pharmaceutical logistics assistance. Since its incorporation, HID has provided professional expertise and assistance to various state, federal and foreign governments, universities, and private industry engaged in a wide range of pharmaceutical/health-care related activities.

PHYSICAL FACILITIES AND OTHER RESOURCES: Facilities are available for communications, information and data processing, manpower training, procurement and research, in Arlington, Va., and Miami, Fla.

PERSONNEL: Five pharmacists and 3 other staff members, totalling 8.

CODES: 01, 02, 03, 04, 07, 08, 09, 13, 15, 21, 33, 34, 40, 42, 43, 45, 99, 101, 102, 113, 123, 125, 132, 133.

NAME OF ENTITY: ILLINOIS, UNIVERSITY OF

EXECUTIVE: Henri R. Manasse, Jr., Ph.D.
Dean

ENTITY ADDRESS: College of Pharmacy
Division:
Street and No: 833 South Wood Street
City and State: Chicago, IL

PHONE: 312/996-7240
TELEX: N/A
CABLE: N/A

Zip Code: 60612

TYPE: Non-Profit Organization

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: Henri R. Manasse, Jr., Ph.D.

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: Manpower training and development; research and development. The University's Program for Collaborative Research in the Pharmaceutical Sciences (PCRPS) includes the WHO Collaborative Centres for Traditional Medicine, and for the Study of Plants for Fertility Regulation, and the NAPRALERT computerized data base on the ethnomedical, chemical and biological aspects of natural products.

AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; biopharmaceutics/pharmacokinetics; pharmaceutical education and training; natural products medicinal chemistry; pharmaceutical dosage forms; folk remedies/herbal medicines.

COUNTRIES SERVED: Bahrain, on-going; People's Republic of China, on-going; India, 3 wks.; Nigeria, 2 wks.; Sri Lanka, 4 mos.; Thailand, 6 mos. Visiting scholars and post-doctoral research associates are attracted to UL's PCRPS from all over the world.

CORPORATE/INSTITUTIONAL BACKGROUND: Founded in 1859, it continues today as the State of Illinois' only College of Pharmacy. It has an extensive involvement in education, research and service in all areas of pharmacy. It also operates a pharmacy service for a 750-bed hospital.

PHYSICAL FACILITIES AND OTHER RESOURCES: The College of Pharmacy building encloses a fully comprehensive college located in a 5,000-bed Urban Medical Center. Facilities include a centralized hospital pharmacy service with 12 satellite facilities; a clinical pharmacokinetics laboratory; a drug information center; and a pharmacognosy and horticulture field station with growing and extraction facilities for medicinal plants.

PERSONNEL: N/A

CODES: 03, 07, 11, 35, 45, 101, 102, 113, 131, 132, 135, 136, 161, 162, 163,
164, 165.

NAME OF ENTITY: INTERCON RESEARCH ASSOCIATES, LTD.

EXECUTIVE: James Donovan, Commercial Director

ENTITY ADDRESS:

Division:

Street and No: 1219 Howard Street

City and State: Evanston, IL

PHONE: 312/491-6700

TELEX: 289408

CABLE: N/A

Zip Code: 60202

TYPE: Small Business

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: James Donovan

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: Market research; operations research.

AREAS OF EXPERTISE: Cardiovascular, anti-inflammatory, respiratory, urological, viral, antibiotic, analgesic and venous disorders.

COUNTRIES SERVED: Brazil; Canada; France; Holland; Italy; Japan; Mexico; West Germany. Six years.

CORPORATE/INSTITUTIONAL BACKGROUND: Founded in 1962, Intercon's major goal is to identify and assist clients in finding the best possible products.

PHYSICAL FACILITIES AND OTHER RESOURCES: IRA has offices in Evanston, IL and in Fort Collins, CO.

PERSONNEL: Intercon's staff is comprised of 20 persons.

CODES: 38, 40, 199.

NAME OF ENTITY: MANAGEMENT SCIENCES FOR HEALTH

EXECUTIVE: Ronald W. O'Connor, M.D., President

ENTITY ADDRESS:

Division: N/A
Street and No: 165 Allandale Road
City and State: Boston, MA

PHONE: 617/524-7799

TELEX: 4990154

CABLE: MANSHEALTH

Zip Code: 02130

TYPE: Non-Profit Organization

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: Peter J. Rousselle, vice president for international programs; Jonathan Quick, director, drug logistics programs.

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: Administration and management; cost analysis; dispensing; distribution and warehousing; drug selection/formulary development; health services marketing; inventory control; logistics planning and management; manpower training and development; marketing and sales; operations research; prescribing; procurement/purchasing; project and program design, planning and evaluation; quality control/quality assurance.

AREAS OF EXPERTISE: Community/retail pharmacy services; computer sciences; economics; family planning; maternal and child health; national health policy; nutrition; public health services.

COUNTRIES SERVED: Afghanistan, 5 yrs; Bolivia, 2 yrs; Costa Rica, 3 mos; Dominica, 1 1/2 yrs; Haiti, 3 yrs; Honduras, 3 yrs; Indonesia, 2 yrs; Morocco, 2 yrs.; Nepal, 3 yrs.; Philippines, 3 yrs.; Peru, 2 yrs.; Tanzania, 6 mos.; Yemen, 2 yrs.

CORPORATE/INSTITUTIONAL BACKGROUND: MSH was established in 1971 to support the development and application of management concepts in the fields of public health and preventive medicine. A tax exempt non-profit educational and research institution, MSH works to meet the practical needs of health program management. The home office in Boston serves as the focal point for work in the U.S. and for field offices in the developing world.

PHYSICAL FACILITIES AND OTHER RESOURCES: MSH maintains a training center at its home office in Boston, MA, offering courses several times a year in drug supply management. Facilities include classroom space, additional areas for small group work, and audio visual equipment. Microcomputers are available for training exercises, information processing, and analysis in support of technical field work. A main frame computer is used when required on a time-sharing basis. The drug logistics program retains an extensive library, including references on national formularies, procurement, logistics management, local production, quality control, training, and the pharmaceutical industry.

PERSONNEL: The MSH staff is comprised of some 70 individuals, including one pharmacist and 7 other pharmaceutical program staff who are non-pharmacists.

CODES: 01, 02, 04, 07, 13, 14, 15, 21, 25, 31, 33, 34, 35, 37, 40, 42, 43, 101, 121, 122, 123, 124, 125, 132, 134.

NAME OF ENTITY: DAVY MCKEE CORPORATION

EXECUTIVE: William A. R. Wilson, Regional Sales Manager

ENTITY ADDRESS:

Division:
Street and No: 10 South Riverside Plaza
City and State: Chicago, IL

PHONE: 312/454-3685,
TELEX: 254562
CABLE: N/A

Zip Code: 60606

TYPE: Large Business

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: N/A

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: Facilities design and construction.

AREAS OF EXPERTISE: Pharmaceutical chemicals and raw materials; veterinary pharmaceuticals; liquid, semi-solid, solid and sterile pharmaceutical dosage forms; biological preparations.

COUNTRIES SERVED: Argentina; Egypt; India; Mexico; Peru; Saudi Arabia; Venezuela (This firm has offices in 24 countries).

CORPORATE/INSTITUTIONAL BACKGROUND: This corporation does engineering/consulting in the construction of food and pharmaceutical facilities. It is a wholly owned subsidiary of Davy, Inc., a Delaware corporation, with corporate headquarters in Independence, OH. In 1963, Davy McKee became the first of the major engineering-designer-constructors to establish a technical center dedicated to service for the pharmaceuticals and fine chemicals industry. The firm's customized design services include aseptic air handling, building design, materials handling, packaging, plant GMP evaluation, sanitation, utilities and environmental control. Davy McKee designed manufacturing facilities for Hoffmann-LaRoche in Belvidere, NJ, Marion Laboratories, Kansas City, MO; and BASF Wyandotte, MI.

PHYSICAL FACILITIES AND OTHER RESOURCES: Engineering offices are located in the following countries: Argentina; Australia; Brazil; Canada; Chile; China; France; Germany; India; Indonesia; Iran; Japan; Mexico; Norway; Phillipines; Saudi Arabia; Singapore; South Africa; Spain; Thailand; US; UK; USSR; Venezuela.

PERSONNEL: The staff is comprised of 300 persons, 2 of whom are pharmacists.

CODES: 29, 151, 155, 161, 162, 163, 164, 165.

NAME OF ENTITY: MEDEX GROUP, THE
Health Manpower Development Staff
EXECUTIVE: Richard A. Smith, M.D., M.P.H.

ENTITY ADDRESS: University of Hawaii
Division: John A. Burns School of Medicine
Street and No: 1833 Kalakaua Avenue, Suite 700
City and State: Honolulu, HA
Zip Code: 96815

PHONE: 808/948-8643
TELEX: 634144
CABLE: MEDEX (Hawaii)

TYPE: Non-Profit

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: Richard A. Smith, M.D., M.P.H.

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: Administration and management; cost analysis; drug selection/formulary development; drug administration; distribution and warehousing; logistics planning and management; manpower training and development; procurement/purchasing; project/program design, planning and evaluation.

AREAS OF EXPERTISE: Community/retail pharmacy services; hospital/institutional pharmacy services; maternal and child health; national health policy; and public health services.

COUNTRIES SERVED: Over a period of 12 years, the MEDEX Group has served the following countries: Guyana, Lesotho, Liberia, Micronesia, Pakistan, Somalia, and Swaziland.

CORPORATE/INSTITUTIONAL BACKGROUND: The MEDEX Group was founded in 1972 and is a multi-disciplinary team of specialists in primary health care. The group was organized for the purpose of designing and developing primary health care technology and assisting Third World countries in its adaptation and use. The group produced and published The MEDEX Primary Health Care Series.

PHYSICAL FACILITIES AND OTHER RESOURCES: The MEDEX Group provides technical assistance in the procurement, storage and distribution of pharmaceuticals in support of primary health care projects. The group offers courses in Honolulu and overseas in management systems analysis and management training. The Honolulu office is equipped with word processing facilities, mini-computers and telecommunication facilities.

PERSONNEL: The staff is comprised of a total of 21 persons.

CODES: 01, 02, 08, 15, 21, 34, 35, 42, 43, 101, 102, 122, 123, 125.

NAME OF ENTITY: NORTH CAROLINA, UNIVERSITY OF

EXECUTIVE: Tom S. Miya, Ph.D., Dean

ENTITY ADDRESS: School of Pharmacy
Division:

Street and No: Beard Hall 200H, Chapel Hill

City and State: Chapel Hill, NC

PHONE: 919/962-0092

TELEX: N/A

CABLE: N/A

Zip Code: 27514

TYPE: Non-Profit

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: James Swarbrick, Ph.D.

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: Drug selection; drug administration; manufacturing; product research and development; regulatory compliance; research.

AREAS OF EXPERTISE: Biopharmaceutics/pharmacokinetics; industrial pharmacy; medicinal chemistry; pharmaceutical education and training; pharmacology/toxicology.

COUNTRIES SERVED: Australia, 1 yr.; Brazil, 1/2 mo.; China, 2 yrs.; Costa Rica and Panama, 1 mo.; Libya, 1/2 mo.; Malaysia, 1 mo.; Singapore, 1 mo.

CORPORATE/INSTITUTIONAL BACKGROUND: As a school of pharmacy, its major goals and objectives center on teaching (graduate, undergraduate, continuing education), research (both basic and clinical) and service.

PHYSICAL FACILITIES AND OTHER RESOURCES: Adequate research and laboratory space for faculty involved in basic pharmaceuticals, medicinal chemistry, analysis, biopharmaceutics/pharmacokinetics, pharmacology/toxicology, radiopharmacy, clinical trials, manufacturing pharmacy, pharmacy administration and all aspects of pharmacy practice.

PERSONNEL: The staff is comprised of 45 salaried persons, including 30 pharmacists, and 40 volunteers, of whom 30 are pharmacists.

CODES: 01, 08, 11, 12, 44, 45.

NAME OF ENTITY: OKLAHOMA, UNIVERSITY OF

EXECUTIVE: H. Richard Shough, Ph.D., Interim Dean and Professor

ENTITY ADDRESS: College of Pharmacy

Division:

Street and No: P.O. Box 26901

City and State: Oklahoma City, OK

PHONE: 405/271-6484

TELEX: N/A

CABLE: N/A

Zip Code: 73190

TYPE: Non-Profit

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: N/A

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABRDAD: None directly. Manpower training and development; research (trained many pharmacists from numerous countries).

AREAS OF EXPERTISE: Pharmaceutical education and training; community/retail and hospital/institutional pharmacy services; natural medicinal chemistry; synthetic medicinal chemistry; radioisotope pharmaceuticals; liquid, semi-solid, solid and sterile pharmaceutical dosage forms.

COUNTRIES SERVED: International students from many countries have completed B.S. or graduate programs. Several faculty members have consulted via WHO or other programs.

CORPORATE/INSTITUTIONAL BACKGROUND: The College of Pharmacy is one of six professional colleges in the University of Oklahoma Health Sciences Center and the Department of Pharmaceutical Sciences in the graduate college. The College's comprehensive mission encompasses the following programs: professional pharmacy education (5-yr. B.S.); continuing professional education; and graduate education/research in pharmaceutical sciences (M.S./Ph.D.).

PHYSICAL FACILITIES AND OTHER RESOURCES: The College of Pharmacy building, completed July 1983, contains 75,000 sq. ft. of education, research and support space. Included are the OU nuclear pharmacy, drug analysis/pharmacokinetics laboratory, parenteral pharmaceuticals lab and other general/specialty research labs and support space. Two main lecture halls (75 and 150) and 5 conference rooms (15-60) with complete audiovisual facilities. Excellent educational and research equipment and computer facilities. The College is located in a major health center with 5 other health-related colleges, 4 major hospitals and numerous other health organizations.

PERSONNEL: The staff is comprised of 97 persons. There are 17 pharmacists among the 22 salaried personnel and 60 pharmacists among the volunteer staff of 75.

CODES: 35, 45, 101, 102, 113, 136, 137, 154, 161, 162, 163, 164.

NAME OF ENTITY: PEAK ENTERPRISES, LTD.

EXECUTIVE: Yvonne Peak, R.Ph., M.P.H., President

ENTITY ADDRESS:

Division:
Street and No: 204 West 83rd Street
City and State: Chicago, IL

PHONE: 312/487-3959

TELEX: N/A

CABLE: PEAKPHARMA

Zip Code: 60620

TYPE: Small Business/Minority 8(a)

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: N/A

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: Administration and management; small scale bulk compounding; dispensing; distribution and warehousing; import/export management; inventory control; manufacturing/production/processing; packaging and labelling; procurement/purchasing; quality control/quality assurance.

AREAS OF EXPERTISE: Economics; wholesale pharmacy services; industrial pharmacy.

COUNTRIES SERVED: Ghana, 6 wks.; Liberia, 6 wks.; Trinidad, 4 1/2 mos.; all for private industry.

CORPORATE/INSTITUTIONAL BACKGROUND: Peak Enterprises was established in 1977 as a wholesale distributor of pharmaceuticals, clinical products, medical supplies and industrial safety products. PEL expanded its facilities in 1983 and started contract manufacturing and custom packaging of pharmaceuticals. Its clientele has included manufacturing and construction companies; employee health departments; municipal boards of health; service agencies; hospitals; mental health centers; and the food and transportation industries.

PHYSICAL FACILITIES AND OTHER RESOURCES: PEL is comprised of 50,000 s.f. total area, including a 20,000 s.f. single story brick structure with fully air conditioned office and production areas. Its contract manufacturing and custom packaging facilities meet FDA guidelines and are operated in compliance with CGMP guidelines of the FDA.

PERSONNEL: Twenty (20), including three (3) pharmacists.

CODES: 02, 06, 07, 12, 13, 14, 15, 21, 32, 33, 103, 104, 134.

NAME OF ENTITY: PHARMACOTHERAPY PUBLICATIONS, INC.

EXECUTIVE: Russell R. Miller, Pharm.D., Ph.D.
President and Editor

ENTITY ADDRESS

Division:
Street and No: 112 School Street
City and State: Carlisle, MA

PHONE: 617/956-5390

TELEX: N/A

CABLE: N/A

Zip Code: 01741

TYPE: Non-Profit Organization

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: N/A

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: Drug selection/formulary development.

AREAS OF EXPERTISE: Publishing in clinical pharmacology.

COUNTRIES SERVED: Worldwide.

CORPORATE/INSTITUTIONAL BACKGROUND: Founded in 1981 and incorporated in Mass., PPI has as its sole objective the dissemination of scientific information on drugs and drug therapy through the journal Pharmacotherapy. The journal publishes both original research and review articles pertaining to the use of drugs in humans. All new drugs are comprehensively reviewed in the journal.

PHYSICAL FACILITIES AND OTHER RESOURCES: The editorial office is located in the New England Medical Center, Boston, MA.

PERSONNEL: The staff is comprised of 3 persons, 1 of whom is a pharmacist. Associate editors include 2 pharmacists and 2 physicians.

CODES: 01, 199.

NAME OF ENTITY: PURDUE UNIVERSITY

EXECUTIVE: Varro Tyler, Ph.D., Dean

ENTITY ADDRESS: School of Pharmacy and Pharmacal Sciences PHONE: 317/494-1455
Division: Department of Medicinal Chemistry TELEX: N/A
Street and No: and Pharmacognosy CABLE: N/A
City and State: West Lafayette, IN Zip Code: 47907

TYPE: Non-Profit

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: Drs. Jerry L. McLaughlin (department chairman and PI of AID grant) and John M. Cassady (PI of Saudi grant).

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: Bioassay-directed isolation of active principles combined with structural elucidation (Saudi grant); isolation and characterization of toxic/bitter principles from chenopodium grain crops (AID grant); medicinal plants.

AREAS OF EXPERTISE: Folk remedies/herbal medicines; natural product medicinal chemistry.

COUNTRIES SERVED: Latin America (Bolivia, Ecuador, Mexico, Peru, etc.), 3 yrs.; Saudi Arabia, 6 yrs.; Venezuela (just initiated), University of Caracas.

CORPORATE/INSTITUTIONAL BACKGROUND: The School of Pharmacy was founded in 1884, and the Department of Medicinal Chemistry and Pharmacognosy was established in 1964. Purdue University is the land grant college of Indiana. The goals and objectives of the department are excellence in teaching, research and service in the broad area of chemistry of drugs and drug action.

PHYSICAL FACILITIES AND OTHER RESOURCES: The department has excellent research facilities and instrumentation for research in the area of natural medicinal products. It has bioassay systems for screening and monitoring fractionations, good chromatographic systems for separations, and excellent spectral instrumentation for structural elucidations (PMR, CMS, EIMS, CIMS, FABMS-High Resolution, IR, UV, etc.).

PERSONNEL: The departmental staff is comprised of 4.5 FTE persons, including 2 pharmacists.

CODES: 99, 135, 136.

NAME OF ENTITY: JOHN SNOW PUBLIC HEALTH GROUP, INC.

EXECUTIVE: Joel H. Lamstein, President

ENTITY ADDRESS:

Division:

Street and No: 210 Lincoln Street

City and State: Boston, MA

PHONE: 617/472-9485

TELEX: 200178 JSI UR

CABLE: N/A

Zip Code: 02111

TYPE: Small Business

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: Joel H. Lamstein.

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: Administration and management; cost analysis; health services marketing; inventory control; logistics planning and management; project planning, design and evaluation; manpower training and development.

AREAS OF EXPERTISE: Computer sciences; family planning; maternal and child health; national health policy; nutrition; public health services.

COUNTRIES SERVED: Ecuador, Egypt, India, Kenya, Liberia, Mauritania, and Nepal, where projects of 2.5 to 8 yrs.' duration are either ongoing or are complete.

CORPORATE/INSTITUTIONAL BACKGROUND: The John Snow Public Health Group, Inc., is based in Boston, MA, and was organized in 1978. Its objective is to apply appropriate management science, social service and public health to practical delivery systems and administrative problems. JSI is currently providing long-term technical assistance to seven USAID-sponsored health development projects abroad, and has completed more than 75 health, nutrition and development projects since its establishment.

PHYSICAL FACILITIES AND OTHER RESOURCES: JSI's facilities are management oriented. With offices in Egypt, Kenya, Nepal and Ecuador, JSI is involved in the design and management of logistics systems for the warehousing and distribution of pharmaceuticals for use in primary health care.

PERSONNEL: JSI's staff totals 45 salaried personnel, none of whom are pharmacists.

CODES: 15, 21, 25, 31, 33, 34, 35, 42, 43, 121, 122, 123, 124, 125, 132.

NAME OF ENTITY: TEXAS, UNIVERSITY OF

EXECUTIVE: James T. Doluisio, Ph.D., Dean
Robert V. Smith, Ph.D., Director

ENTITY ADDRESS: Drug Dynamics Institute

Division: College of Pharmacy

Street and No: University of Texas

City and State: Austin, TX

PHONE: 512/471-4841

TELEX: N/A

CABLE: N/A

Zip Code: 78712

TYPE: Non-Profit Organization

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: Robert V. Smith, Ph.D.

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: Administration and management; cost analysis; equipment selection/operation/evaluation; facilities design/construction; manpower training and development; organization development; quality control/quality assurance; research.

AREAS OF EXPERTISE: Natural product medicinal chemistry; synthetic medicinal chemistry; pharmaceutical analytical chemistry; pharmaceutical chemicals and raw materials; liquid, semi-solid, solid and sterile pharmaceutical dosage forms; pharmaceutical education and training.

COUNTRIES SERVED: South Africa, 12 mos.; Bolivia and Ecuador, 6 mos.; People's Republic of China, 24 mos.; France, 12 mos.; Federal Republic of Germany, 7 mos.; Japan, 24 mos.; Malaysia, 12 mos.; Venezuela, 36 mos.; Yugoslavia, 9 mos.

CORPORATE/INSTITUTIONAL BACKGROUND: The DDI was established in the College of Pharmacy in 1973 to encourage efforts of University faculty toward research and publication in the pharmaceutical sciences. DDI faculty and staff conduct research and development including the discovery of new medicinal agents, improvements of drug therapy, and mechanisms of drug action.

PHYSICAL FACILITIES AND OTHER RESOURCES: The DDI occupies approximately 20,000 net sq. ft. of a 5 story 75,000 net sq. ft. College of Pharmacy. The College is composed of one wing (50% of total size) completed in 1981 adjoining an original structure which was renovated in 1982-83. DDI laboratories are modern and well equipped for research and training in: analytical pharmaceutical chemistry, industrial pharmacy, medicinal chemistry, natural products chemistry and pharmaceuticals. DDI staff and researchers attract more than \$500,000 per year in grants and contracts from the Federal Government and industry. DDI publications number more than 50 annually.

PERSONNEL: The volunteer staff is comprised of 3 persons. The executive staff and members of the institute are full-time faculty members of the College.

CODES: 4, 21, 25, 28, 29, 35, 41, 45, 113, 136, 137, 138, 151, 161, 162, 163, 164.

NAME OF ENTITY: U. S. PHARMACOPEIAL CONVENTION, INC.

EXECUTIVE: William M. Heller, Ph.D., Executive Director

ENTITY ADDRESS:

Division:
Street and No: 12601 Twinbrook Parkway
City and State: Rockville, MD

PHONE: 301/881-0566
TELEX: TWX 7108289787
CABLE: N/A

Zip Code: 20852

TYPE: Non-Profit Organization

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: N/A

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: Cooperative development; and drug information.

AREAS OF EXPERTISE: Drug standards; pharmaceutical associations/organizations.

COUNTRIES SERVED: Canada, 103 yrs.; Japan, 3 yrs.; UK, 100 yrs.; worldwide through WHO and PAHO and predecessors.

CORPORATE/INSTITUTIONAL BACKGROUND: USPC is a non-profit, non-governmental organization founded in 1820, incorporated in 1900 in DC. Utilizing a continuing national network of volunteer experts in every medical and pharmaceutical field involving drugs, it sets the standards of identity, strength, quality, purity, packaging and labelling for drugs in the US; provides reference standards materials; and publishes for both health care providers and for patients, the national consensus of clinically relevant drug use information. USPC publishes the U.S. Pharmacopeia and National Formulary, the official compendia for pharmaceuticals in the U.S.

PHYSICAL FACILITIES AND OTHER RESOURCES: The USPC covers 47,000 sq. ft. in two buildings, including an analytical chemistry laboratory and computerized typesetting equipment. The laboratory accepts foreign officials for advanced training. Publications, from leaflets to books, are prepared in cooperation with foreign publishers/distributors from the USP drug use information data base.

PERSONNEL: The staff of USPC is comprised of 396 persons -- 96 on salary and 300 unpaid volunteers -- including 12 salaried and 100 volunteer pharmacists.

CODES: 09, 99, 111, 199.

NAME OF ENTITY: UNIVERSAL PHARMACEUTICAL SYSTEMS

EXECUTIVE: Ira C. Robinson, Ph.D., President

ENTITY ADDRESS:

Division: International Health Division

Street and No: 1728 - 17th Street, N.E.

City and State: Washington, DC

PHONE: 202/829-5008

TELEX: N/A

CABLE: N/A

Zip Code: 20002

TYPE: Small Business/Minority 8(a)

DIRECTOR OF INTERNATIONAL HEALTH PROGRAMS: Ira C. Robinson, Ph.D.

TYPES OF EXPERIENCE IN PHARMACEUTICAL PROJECTS ABROAD: Cost analysis; equipment selection/operation/evaluation; facilities design; inventory control; logistics planning; manufacturing/production/processing; manpower training and development; market research; packaging and labelling; procurement; project/program planning and design; quality control; drug warehousing and distribution.

AREAS OF EXPERTISE: Community/retail and hospital/institutional pharmacy services; industrial pharmacy; pharmaceutical education and training; pharmaceutical chemicals/raw materials; pharmaceutical dosage forms (liquid, semi-solid, solid and sterile; biologicals (vaccines, insulin, etc.); and pharmaceutical containers and closures.

COUNTRIES SERVED: Nigeria, 2 wks., VEC International Enterprises/Nigeria MOHs; planned locally for Senegal and other participating countries, currently under initiation with educational institutions in cooperation with AID.

CORPORATE/INSTITUTIONAL BACKGROUND: UPS was incorporated in D.C. in 1977 and began its wholesale drug distribution, and formulation/manufacturing activities in late 1979 and 1980, respectively. UPS has procured pharmaceuticals and medical supplies and supports for governmental agencies, and proposed plans and guidelines for establishment of pharmaceutical manufacturing facilities for Benin, Cross River, Kano and Rivers states in Nigeria. Our personnel also planned a pharmaceutical logistics management training program for implementation in cooperation with educational institutions and AID.

PHYSICAL FACILITIES AND OTHER RESOURCES: During 1980, UPS equipped its dosage formulation/manufacturing, quality control, packaging and pharmaceutical R&D laboratories. Other resources available include an IBM computer, word-processing equipment, and pharmaceutical technology and logistics reference library.

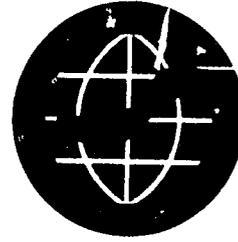
PERSONNEL: Eight, including 3 pharmacists, 1 physician (P/T), 1 dentist (P/T), and 1 registered dietitian (P/T).

CODES: 02, 05, 06, 12, 13, 14, 15, 21, 25, 28, 29, 33, 34, 35, 38, 42, 43, 101, 102, 103, 104, 113, 131, 132, 151, 161, 162, 163, 164, 165, 171.

Part IV:

APPENDICES

PHARMACEUTICAL SECTOR
CONSULTANTS
IN INTERNATIONAL HEALTH



Universal Pharmaceutical Systems, Incorporated | 1728 Seventeenth Street, N.E. | Washington, D.C. 20002, U.S.A.

Spring 1984

Dear Colleague:

The United States Agency for International Development has a long-standing policy of supporting worldwide efforts toward improving the access of the rural poor to basic health services. Some of the agency's newer efforts involve a broader focus on improving pharmaceutical logistics as a key factor in enhancing the effectiveness of these efforts.

As one further step in this process, USAID's Office of Health and the U. S. Public Health Service have engaged me as an independent contractor to prepare their first "Directory of Key Domestic Pharmaceutical Sector Resources with Expertise in International Health". Since USAID is a major source of external support for programs aimed at making basic health-care services available to the rural poor of the developing countries of the world, this inventory should prove to be of considerable value to this agency in its continuing design, implementation and evaluation of numerous primary health-care projects around the world. When included, your biographical data and expertise/experience profile will be available to the agency's domestic and foreign mission personnel, as well as to developing country representatives, to enable them to more rapidly locate appropriate sources of technical assistance and quality pharmaceutical services from U.S. sources.

Kindly take a few moments to complete and return the enclosed "Consultant's Biographical Data Entry Form". If there are other interested individuals within your organization with expertise of the types listed on the enclosed data entry form, please encourage them to complete and return their own biographical data entry form. Your completed forms should be accompanied by a current resume and returned prior to the deadline date (shown on the form) to the following address:

Dr. Ira C. Robinson, Project Director
Key Domestic Pharmaceutical Sector Resources
with Expertise in International Health
Universal Pharmaceutical Systems
1728 - 17th Street, N.E.
Washington, D.C. 20002-1875

Thank you for your anticipated cooperation and assistance in allowing us to include you in this key compilation of U.S. pharmaceutical consultants.

Sincerely,

Ira C. Robinson, Ph.D.

ICR:ets/i

Attachment: Consultant's Biographical Data Entry Form

Form 840423-2 ets/i D12/37

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CONSULTANT'S BIOGRAPHICAL DATA ENTRY FORM (Cont'd.)
 Directory of Key Domestic Pharmaceutical Sector Resources with Expertise in International Health

Educational Background

12. List below degree(s) held, institution(s), date(s) conferred and major field(s) of study:

Degree(s) Held	Names of Colleges, Universities and Technical Schools Attended	Date(s) Conferred	Major Field(s) of Study
----------------	--	-------------------	-------------------------

Expertise and Experience

13. Please encircle the number for each of your major area(s) of expertise and major type(s) of experience you've had:

AREAS OF EXPERTISE

TYPES OF EXPERIENCE

- | | |
|---|---|
| 101 Pharmacy Services, Community/Retail | 01 Drug Selection/Formulary Development |
| 102 Pharmacy Services, Hospital/Institutional | 02 Procurement |
| 103 Pharmacy Services, Wholesale | 03 Clinical Services |
| 104 Pharmacy, Industrial | 04 Prescribing |
| | 05 Compounding, Extemporaneous |
| 111 Pharmaceutical Association/Organization | 06 Compounding, Small Scale Bulk |
| 112 Pharmaceutical Communications/Media | 07 Dispensing |
| 112 Pharmaceutical Education and Training | 08 Drug Administration |
| | 09 Drug Information |
| 121 Family Planning | 10 Poison Control |
| 122 Maternal and Child Health | 11 Product Research and Development |
| 123 National Health Policy | 12 Manufacturing/Production/Processing |
| 124 Nutrition | 13 Packaging and Labelling |
| 125 Public Health Services | 14 Quality Control/Quality Assurance |
| | 15 Distribution and Warehousing |
| 131 Biopharmaceutics/Pharmacokinetics | 21 Administration and Management |
| 132 Computer Sciences | 23 Advertising and Promotion |
| 133 Drug Epidemiology | 25 Cost Analysis |
| 134 Economics | 27 Equipment Engineering/Manufacture |
| 135 Folk Remedies/Herbal Medicines | 28 Equipment Selection/Operation/Evaluation |
| 136 Medicinal Chemistry, Natural Product | 29 Facilities Design/Construction |
| 137 Medicinal Chemistry, Synthetic | 31 Health Services Marketing |
| 138 Pharmaceutical Analytical Chemistry | 32 Import/Export Management |
| 139 Pharmacology/Toxicology | 33 Inventory Control |
| 140 Sociology/Psychology | 34 Logistics Planning and Management |
| | 35 Manpower Training and Development |
| 151 Pharmaceutical Chemicals, Raw Materials | 37 Marketing and Sales |
| 152 Pharmaceuticals, Dental | 38 Market Research |
| 153 Pharmaceuticals, Diagnostic | 40 Operations Research |
| 154 Pharmaceuticals, Radioisotope | 41 Organization Development |
| 155 Pharmaceuticals, Veterinary | 42 Project/Program Planning and Design |
| 161 Pharmaceutical Dosage Forms, Liquid | 43 Project/Program Evaluation |
| 162 Pharmaceutical Dosage Forms, Semi-Solid | 44 Regulatory Compliance and Licensing |
| 163 Pharmaceutical Dosage Forms, Solid | 45 Research |
| 164 Pharmaceutical Dosage Forms, Sterile | 46 Survey Research |
| 165 Biological Preparations (Vaccines, etc.) | 47 Transportation |
| 171 Pharmaceutical Containers, Closures | |
| 199 Other: _____ | 99 Other: _____ |

CONSULTANT'S BIOGRAPHICAL DATA ENTRY FORM (Cont'd.)

Directory of Key Domestic Pharmaceutical Sector Resources with Expertise in International Health

14. Prior Professional Practice and/or Consulting Experience Abroad. (If you have no experience abroad, show professional or consulting experience which you feel qualifies you to consult on international health projects abroad):

Countries Served	No. Months/ No. Years	Project Title/ Description	Project Sponsor/ Funding Agency

(If more space is needed, utilize the above format and submit information on an attached sheet.)

I understand that a review of all information submitted will be made in order to determine whether my data are suitable for entry in this publication. By completion and submission of this form, I hereby grant permission for inclusion of this information in the Directory of Key Domestic Pharmaceutical Sector Resources with Expertise in International Health.

15. Signature: _____ Date: _____

16. NOTE: Please attach a copy of a current resume and return completed form in time to reach Project Director by deadline date:

Dr. Ira C. Robinson, Director
Key Domestic Pharmaceutical Sector Resources
with Expertise in International Health
Universal Pharmaceutical Systems
1728 - 17th Street, N.E.
Washington, D.C. 20002-1875

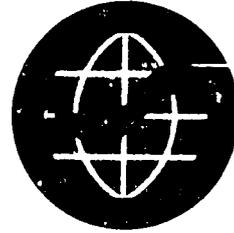
Deadline Date: May 14, 1984

Form IND-840423ets/i Rev. 2/dsc-12/37

From:
Pharmaceutical Sector Resources Project
Universal Pharmaceutical Systems
1728 - 17th Street, N.E.
Washington, D.C. 20002-1875



To:



Universal Pharmaceutical Systems, Incorporated ! 1728 Seventeenth Street, N.E. Washington, D.C. 20002, U.S.A.

February 24, 1984

Dear Colleague:

The United States Agency for International Development has a long-standing policy of supporting worldwide efforts toward improving the access of the rural poor to basic health services. Some of the agency's newer efforts focus on increased availability of essential drugs through improved pharmaceutical logistics as a key factor in enhancing the effectiveness of these efforts.

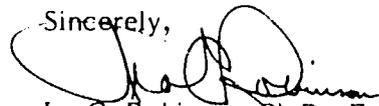
As one further step in this process, USAID's Office of Health and the U. S. Public Health Service have engaged me as an independent contractor to compile a "Directory of Key Domestic Pharmaceutical Sector Resources with Expertise in International Health". Since USAID is a major source of external support for programs aimed at making basic health-care services available to the rural poor of the developing countries of the world, this inventory should prove to be of immense value to this agency in its continuing design, implementation and evaluation of numerous primary health-care projects around the world. This compilation will make your organization's profile available to the agency's domestic and foreign mission personnel, as well as to developing country representatives, to enable them to more rapidly locate appropriate sources of technical assistance and quality pharmaceutical services from U.S. sources.

Kindly take a few moments to complete and return the enclosed "Capability Profile Data Entry Form". Also, if there are interested individuals within your organization with expertise of the types listed on the enclosed data entry form, please encourage them to submit their own biographical data entry form, a copy of which is enclosed for your convenience. Your completed forms should be accompanied by a Capability Statement and/or general brochure and returned prior to the deadline date (shown on the form) to the following address:

Dr. Ira C. Robinson, Project Director
Key Domestic Pharmaceutical Sector Resources
with Expertise in International Health
Universal Pharmaceutical Systems
1728 - 17th Street, N.E.
Washington, D.C. 20002-1875

Thank you for your anticipated cooperation and assistance in allowing us to include your entity's capability profile in this compilation of key U. S. pharmaceutical sector resources.

Sincerely,



Ira C. Robinson, Ph.D., F.A.C.A.

ICR:ets/i

Enclosures

Form GRP-840220-2 D12/37

CAPABILITY PROFILE

DATA ENTRY FORM

***For Organizations, Institutions,
Agencies and Firms***

DIRECTORY

OF KEY DOMESTIC

PHARMACEUTICAL SECTOR RESOURCES

With Expertise In International Health

CHECKLIST FOR COMPLETION

- () Capability Profile Data Entry Form COMPLETED
(Please TYPE or PRINT LEGIBLY) _____
- () Capability Profile Data Entry Form SIGNED _____
- () Capability Statement or General Brochure enclosed _____
- () Completed Capability Profile Data Entry Form MAILED
(Note: Completed form should be returned on or before March 15, 1984) _____

10. RESOURCES:

Financial -- For pharmaceutical logistics programs and pharmaceutical components of international health programs, please show income and expenditures for the current (budget) and next most recent fiscal year.

International Program Income	<u>Current Year</u>	<u>Last Year</u>
International Program Expenditures	_____	_____
	_____	_____

Personnel -- Please show number of:

Pharmacists	<u>Salaried</u>	<u>Volunteer</u>
Other Pharmaceutical Program Staff	_____	_____
Total Number of Staff (All Areas)	_____	_____

Physical Facilities -- Indicate location(s) and describe facilities available for procurement, production, quality control, distribution, research and development, other pharmaceutical laboratory services, communications, manpower training, information and data processing and/or other activities involved in or supportive of pharmaceutical logistics projects abroad. Please be as brief as possible and limit your response to this space.

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NOTE: Please attach a copy of your Capability Statement or a general brochure. Submission of this Capability Profile evidences the consent of your organization for this information to be included in the A.I.D./U.S.P.H.S. "Directory of Domestic Pharmaceutical Sector Resources with Expertise in International Health. Kindly return this completed form to the address on back of this form by March 15, 1984.

The individual completing this form:

_____	_____	_____	_____
Signature	Typed Name	Title/Position	Date

EXPERTISE/EXPERIENCE LISTING

<u>AREAS OF EXPERTISE</u>	<u>TYPES OF EXPERIENCE</u>
101 Pharmacy Services, Community/Retail	01 Drug Selection/Formulary Development
102 Pharmacy Services, Hospital/Institutional	02 Procurement/Purchasing
103 Pharmacy Services, Wholesale	03 Clinical Services
104 Pharmacy, Industrial	04 Prescribing
	05 Compounding, Extemporaneous
111 Pharmaceutical Association/Organization	06 Compounding, Small Scale Bulk
112 Pharmaceutical Communications/Media	07 Dispensing
113 Pharmaceutical Education and Training	08 Drug Administration
	09 Drug Information
121 Family Planning	10 Poison Control
122 Maternal and Child Health	11 Product Research and Development
123 National Health Policy	12 Manufacturing/Production/Processing
124 Nutrition	13 Packaging and Labelling
125 Public Health Services	14 Quality Control/Quality Assurance
	15 Distribution and Warehousing
131 Biopharmaceutics/Pharmacokinetics	21 Administration and Management
132 Computer Sciences	23 Advertising and Promotion
133 Drug Epidemiology	25 Cost Analysis
134 Economics	27 Equipment Engineering/Manufacture
135 Folk Remedies/Herbal Medicines	28 Equipment Selection/Operation/Evaluation
136 Medicinal Chemistry, Natural Product	29 Facilities Design/Construction
137 Medicinal Chemistry, Synthetic	31 Health Services Marketing
138 Pharmaceutical Analytical Chemistry	32 Import/Export Management
139 Pharmacology/Toxicology	33 Inventory Control
140 Sociology/Psychology	34 Logistics Planning and Management
	35 Manpower Training and Development
151 Pharmaceutical Chemicals, Raw Materials	37 Marketing and Sales
152 Pharmaceuticals, Dental	38 Market Research
153 Pharmaceuticals, Diagnostic	40 Operations Research
154 Pharmaceuticals, Nuclear/Radioisotopes	41 Organization Development
155 Pharmaceuticals, Veterinary	42 Project/Program Planning and Design
161 Pharmaceutical Dosage Forms, Liquid	43 Project/Program Evaluation
162 Pharmaceutical Dosage Forms, Semi-Solid	44 Regulatory Compliance and Licensing
163 Pharmaceutical Dosage Forms, Solid	45 Research
164 Pharmaceutical Dosage Forms, Sterile	46 Survey Research
165 Biological Preparations (Vaccines, etc.)	47 Transportation
171 Pharmaceutical Containers, Closures	
199 Other: _____	99 Other: _____

INSTRUCTIONS

Please select from the above listing the principal AREA(S) OF EXPERTISE represented by your organization, institution, agency or firm, and list under the "Areas of Expertise" column on the first page of the "Capability Profile" form. Then list your organization's principal TYPE(S) OF EXPERIENCE under the "Types of Experience" column. Also list the countries served and number of months or years for each type applicable experience.

Return Completed Forms To:

Dr. Ira C. Robinson, Project Director
 Key Domestic Pharmaceutical Sector Resources
 With Expertise in International Health
 Universal Pharmaceutical Systems
 1728 - 17th Street, N.E.
 Washington, D.C. 20002-1875

Part V:

INDEXES

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ALTURA, Burton M.	US	WOC	M	11
ANDERSON-SMITH, Charlotte A.	US	White	F	12
ANIK, Shabbirt	India	Asian	M	13
ANISFELD, Michael Henry	UK	WOC	M	14
AREH, Okechukwu M.	Nigeria	Black	M	15
ASKER, Ahmed F	Egypt	WOC	M	16
AUTIAN, John	US	White	M	17
AVIS, Kenneth E.	US	White	M	18
BASDEKIAN, Edward A.	US	White	M	19
BEAL, Jack L.	US	White	M	20
BEAUCHAMP, Michael Charles	US	Black	M	21
BELCASTRO, Patrick F.	US	White	M	22
BERK, Jerome	US	White	M	23
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BHARGAVA, Hridaya N.	US	Asian	M	25
BLAKE, Martin I.	US	White	M	26
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BUTT, Frederick D.	US	White	M	29
CARR, Jelleff C.	US	White	M	30
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CURRY, Stephen H.	UK/PR	White	M	34
DAVIES, John	Canada/PR	White	M	35
DAVIS, Rebecca Howard	US	Black	F	36
DeLUCA, Patrick P.	US	White	M	37
DONOVAN, James D.	US	White	M	38
DOZZIE, Amelia Maria	Australia	White	F	39
DOSMAN, Jennifer B.	Australia	White	F	40
DORT, William R.	US	White	M	41
ELOWE, Louis N.	US	White	M	42
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FEFER, Enrique	US	Hispan	M	44
FEIR, Milton	US	WOC	M	45
FIGESE, Eugene F.	US	White	M	46
FLOREY, Klaus G.	US	White	M	47
FONG, Harry H.S.	US	Asian	M	48
FOREMAN, Patricia L.	US	White	F	49
FOURMAN, Gary L.	US	White	M	50
FOYE, William Owen	US	White	M	51
FURGIUELE, Angelo R.	US	White	M	52
GAGNON, Jean P.	US	White	M	53
GAKENHEIMER, Walter C.	US	White	M	54
GIBSON, Robert D.	US	Black	M	55
GORHAM, David Leroy	US	Black	M	56
GUILLORY, James Keith	US	White	M	57
GUPTA, Brij M.	India	Asian	M	58
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