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***Title of project:***            **International Summer Institute  
for Genetic Resources Conservation  
of Animals and Plants**

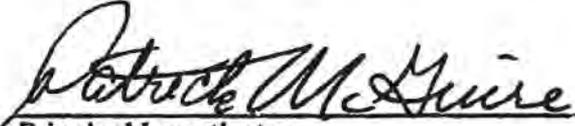
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***Annual Activity Report***  
***October 1, 1991 to September 30, 1992***

  
\_\_\_\_\_  
Principal Investigator

The goal of this project has been to develop and conduct a five-week International Summer Institute in Genetic Resources Conservation of Animals and Plants. The Institute consisted of two concurrent, but independent tracks: one dealing with conservation of domesticated and wild animal genetic resources and the other with conservation of domesticated and wild plant genetic resources. Each track provided a combination of: 1) overview presentations on the issues of conservation, the organizations involved in conservation, the genetic and biological principles relevant to conservation, the protocols and technologies available for *ex situ* conservation, the principles of organism health and quarantine issues relevant to conservation, and the relevance of *ex situ* conservation activities to *in situ* conservation efforts; 2) case study presentations that exemplify specific problems, solutions, and applications; 3) laboratory exercises designed to provide hands-on acquaintance with the objectives and contributions of various technologies useful in evaluating, monitoring, and maintaining collections; and 4) tours or field trips to California sites with active research and programs in conservation.

GRCP was assisted in the logistics of travel, facilities, housing, and administration by the International Training and Education Center of the University of California Extension on the Davis Campus. Campus dormitory and food service was contracted to accommodate the students at relatively low cost whenever possible. During travel periods hotels and restaurants were necessary.

Activities during this year began with the establishment among the Genetic Resources Conservation Program, University Extension, and the UC Davis Accounting Office of procedures for administering, monitoring, and carrying out the objectives of the grant. Announcements of the courses were distributed to established and newly assembled mailing lists and to publications with circulation relevant to the course topics. Registration procedures were established and deadlines set in anticipation of brochures. Brochures were drafted and sent to the printer.

The initial meeting of the animal course steering committee was held in November and the initial meeting of the plant course steering committee was held in January. The course leader of the plant course was T.T. Chang, Director Emeritus, International Rice Germplasm Center, IRRI, Philippines. The course leader of the animal course was David S. Woodruff, Professor of Biology, Dept. of Biology, University of California, San Diego.

Course brochures were distributed to established mailing lists and to individuals requesting them. Initial contacts were made in the first and second quarters with some potential lecturers and lab presenters. Suggestions for other personnel to be contacted were solicited from steering committee members and other individuals. Announcements seeking candidates for the logistics coordinator positions, one for each course, were distributed on the UC Davis campus. Interviews were held in late March.

Melanie L. Adams was hired for the animal course and Bonnie J. Furman was hired for the plant course, each to begin work in May.

By the scholarship application deadline of March 15, 66 applications for the plant course and 36 for the animal course had been received and evaluated. The second meeting of the animal course steering committee was held in March to review the course topics and to evaluate and rank the 36 applicants for the scholarship awards into those who would be offered scholarships, those who would be considered alternates, and those who would not be offered scholarships. The second meeting of the plant course steering committee was held in April to review course topics and to evaluate and rank the 66 scholarship applicants. Award letters to all scholarship recipients for both courses were distributed in April.

As acceptance messages for the scholarships were received in late April and May, the logistics coordinators arranged air travel and accommodations for them. Other activities of the coordinators in this period included reserving housing for the term of both courses on the Davis, Berkeley, Riverside, and San Diego campuses and in public accommodations for the travel portions of the course, reserving classroom space, and arranging for transportation for course travel.

The only deviation from the workplan necessary to this point was to reduce enrollment expectations from the initial estimate of 60 for the animal course and 30 for the plant course to about 25 for each. By the time registration ended at the start of the courses, the registrations totalled 47 persons from 29 countries: 26 from 20 countries for the animal course and 21 from 16 countries for the plant course.

On conclusion of the courses on August 7, 1992, the logistics coordinators monitored departures for problems with procedures involved with international travel, making adjustments in schedules as necessary. Participants completed evaluations of their experiences in the courses and these are being summarized by staff.

Following is a listing of the activities proposed and accomplished (in italics) for this year in the workplan.

### **Progress on activities proposed for first quarter in workplan**

#### **Institute Development**

Advertising of Institute ..... 10/1/91–4/30/92

*Announcements for each course and the Institute in general were prepared.*

*Mailing lists were assembled and announcements were mailed*

*throughout this period.*

Course content development ..... 10/1/91–6/30/92

AGR steering committee meetings

*First meeting was held 11/26/91.*

PGR steering committee meetings

*Date was set for first meeting (1/30/92).*

Fund development for student support..... 12/1/91–4/3-/92

*Letters and proposals for support went to organizations suggested by committee members and others*

Course brochure development ..... 10/1/91–1/31/92

*Brochure contents were drafted in December and finals were sent to printer 12/23/91.*

Contact with prospective lecturers and hosts .. 12/1/91–6/30/92

*Very preliminary contacts were made for the animal course, contacts for the plant course await meeting of plant course steering committee.*

Logistic arrangements for Institute activities ... 10/1/91–6/30/92

*Arrangements for accounting and communications between the Genetic Resources Conservation Program and University Extension for administration of Institute activity were made in November and December.*

*Preliminary reservations for classrooms, lodging, and transportation were made in December.*

### **Progress on activities proposed for second quarter in workplan**

#### **Institute Development**

Advertising of Institute ..... 10/1/91–4/30/92

*Brochures were mailed on request and to previously established mailing lists. Jan. and Feb.*

*Article announcing the Institute prepared for the journal Diversity appearing in vol. 7 no. 4 in February.*

Course content development ..... 10/1/91–6/30/92

*GRCP staff proposed outlines of topics for lectures, labs, case studies, and tours and field trips for each course, and the respective steering committees evaluated these and made additional suggestions at their meetings during this period.*

AGR steering committee meetings

*Second meeting was held. 3/31/92*

**PGR steering committee meetings**

*First meeting held. 1/30/92*

*Second meeting scheduled (4/16/92)*

Fund development for student support..... 12/1/91-4/30/92

*Two additional proposals for support went to organizations suggested by committee members and others.*

Course brochure development ..... 10/1/91-1/31/92

*Brochures were received from printer. 1/3/92*

Contact with prospective lecturers and hosts ... 12/1/91-6/30/92

*Preliminary contacts were made with some potential lecturers and lab presenters for both courses.*

Evaluation of applicants for support ..... 3/15/92-5/31/92

*GRCP staff organized applications, with UNEX staff communicated to applicants to obtain complete applications, and prepared summaries of applications for review by steering committees. 3/15/92-3/31/92*

*AGR steering committee reviewed and ranked scholarship applications for the AGR course. 3/31/92*

Logistic arrangements for participants ..... 1/1/92-6/30/92

*Since no awards were made during this quarter, no arrangements were made at this time.*

Logistic arrangements for Institute activities .... 10/1/91-6/30/92

*As a better estimate of class sizes became available at the end of the quarter, preliminary reservations for course facilities, transportation, and lodging were revised.*

Hiring of course-specific staff ..... 3/1/92-6/30/92

*Positions of Logistics Coordinator for each class were developed and advertised on the Davis campus. 2/17/92-3/15/92*

*Interviews with candidates were held. 3/26/92*

*Melanie L. Adams was hired as Logistics Coordinator for the AGR course to begin work on 5/1/92. 3/30/92*

**Progress on activities proposed for third quarter in workplan**

**Institute Development**

Advertising of Institute ..... 10/1/91-4/30/92

*No further advertising was done in this quarter.*

**Course content development ..... 10/1/91-6/30/92**

*Further discussion of the PGR course content was held at the PGR steering committee meeting during this period.*

*Working outlines of topics for both courses were developed and followed as contacts with teaching participants were made. Modifications to these working outlines were made as availability of appropriate speakers and logistic considerations warranted.*

**PGR steering committee meetings**

*Second meeting held. 4/16/92*

**Fund development for student support..... 12/1/91-4/30/92**

*\$5,000 was awarded for scholarship support from the Wallace Genetic Foundation, Inc. and \$500 for a travel scholarship for a Mexican participant was awarded by the University of California MEXUS program.*

*Applications for financial support to the Rockefeller Foundation, Pioneer Hi-Bred Seed Foundation, the Margoes Foundation, DeKalb Plant Genetics, and IBPGR were unsuccessful.*

**Contact with prospective lecturers and hosts ... 12/1/91-6/30/92**

*Contacts were made to arrange lecturers, lab presenters, case study presenters, and tour and field trip hosts for both courses. By the end of June a working schedule was developed for each course.*

**Evaluation of applicants for support ..... 3/15/92-5/31/92**

*PGR steering committee reviewed and ranked scholarship applications for the PGR course. 4/16/92*

*Award letters were mailed or faxed throughout April.*

**Logistic arrangements for participants ..... 1/1/92-6/30/92**

*As scholarship acceptance was confirmed, air travel arrangements for all scholarship participants were made and tickets were expressed to participants. Airport pickup arrangements were made for all participants.*

**Logistic arrangements for Institute activities .... 10/1/91-6/30/92**

*Reservations for facilities, transportation, and lodging for both courses were made and changed as required by the developing course schedule.*

**Hiring of course-specific staff ..... 3/1/92-6/30/92**

*Bonnie J. Furman was hired as Logistics Coordinator for the AGR course to begin work on 5/1/92. 4/1/92*

**Progress on activities proposed for fourth quarter in workplan**

**Institute Closing Activities**

Review of course evaluations ..... 8/7/92-9/30/92

*Evaluations for the plant course have been summarized, a written report is in progress. Summary of evaluations for the animal course is in progress.*

Reports to student sponsors ..... 8/7/92-10/31/92

*While several sponsors of students were anticipated at the outset of the project, only three sources, in addition to the support from AID, were realized. Reports to these sponsors are being made per the requests of those sponsors.*

Development of plans for future activities ..... 8/7/92-1/30/93

*Meetings and correspondence concerning future conservation education activities are underway. Specific possibilities are an in-country course in plant genetic resources conservation in Syria in conjunction with the International Center for Agricultural Research in the Dry Areas, an in-country course in plant genetic resources conservation in Zambia in conjunction with the SADCC Regional Gene Bank for Plant Genetic Resources, and collaborative efforts with the University of Birmingham, UK. At this time, it is planned that there will be a repeat of the courses reported herein in 1994. Funding remains the critical requirement for all of these efforts, and seeking funding will be a major activity in the next few months.*

Closing and reconciliation of accounts ..... 8/7/92-1/30/93

*In August after the courses ended and on into September, charges incurred during the conduct of the courses were being processed.*