



CHILDREN OF CHORNOBYL RELIEF FUND

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Subject: Grant # 110-0001-G-00-4026-00 Final Report
Ending September 30, 1995

ONCOLOGY TRAINING AND PROCUREMENT PROJECT

FINAL REPORT

(Period September 30, 1994 - September 30, 1995)

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A. Cumulative Expenditures and Cost to Complete Projections

(For August)

<u>BUDGET LINE ITEM</u>	<u>FEDERAL</u>	<u>NON-FEDERAL</u>	<u>TOTAL (USD\$)</u>
Commodities	19,886.06	3,831,430.30	3,851,316.36
Program Management	13,799.05	2,672.69	15,886.74
Training	0.00	0.00	0.00
Program Total	33,685.11	3,834,102.99	3,867,203.10

(For September)

<u>BUDGET LINE ITEM</u>	<u>FEDERAL</u>	<u>NON-FEDERAL</u>	<u>TOTAL (USD\$)</u>
Commodities	0.00	0.00	0.00
Program Management	0.00	21,357.32	21,357.32
Training	0.00	0.00	0.00
Program Total	0.00	21,357.32	21,357.32

(Final Cumulative Expenditures)

<u>BUDGET LINE ITEM</u>	<u>FEDERAL</u>	<u>NON-FEDERAL</u>	<u>TOTAL (USD\$)</u>
Commodities	234,867.81	5,445,236.14	5,680,103.95
Program Management	74,883.13	42,973.91	117,272.04
Training	40,149.05	50,000.00	90,149.00
Program Total	349,899.99	5,538,210.05	5,887,525.04

B. Description of Activities for this Period: 6/30 - 9/30 /95

The third and final phase of CCRF's "Oncology Training and Procurement Project" (OTPP) culminated on Monday, August 28, 1995 at Boryspil Airport in Kyiv with CCRF's fifteenth airlift, witnessing the delivery of \$4.0 million dollars worth of medical relief aboard an Iliushyn-76 to sixteen different medical centers and clinics in Ukraine. This airlift, as CCRF's past four airlifts have been, was coordinated in conjunction with the United States Department of State. The following dignitaries and representatives participated in the press conference on the tarmac at Boryspil: USAID Director for Ukraine Gregory Huger, CCRF / USAID Kiev Project Officer Yaro Kulchyckyj, Searle / Monsanto Brussels Representative Guisepe Mattafi, Vice Minister of Health V. Yurchenko, Vice Commissioner, Human Rights Commission / Diaspora Relations, Deputy Volodymyr Yavorivsky, CCRF President Dr. Zenon Matkiwsky, CCRF Executive Director Nadia Matkiwsky, CCRF Treasurer Tanya Vena and CCRF Cargo Coordinator Tania Sawa. The medical aid was consigned to pediatric centers in the following cities: Kyiv, Lviv, Dnipropetrovsk, Dniproderzhinsk, Vynnytsia, Krasniy Luch, Mariupil, Ivano-Frankivsk, Ternopil, Luhansk and Cherkasy. This airlift provided cancer medications, Hepatitis-B vaccines, diabetic supplies, post operative drugs, antibiotics and hospital supplies. The principal cancer medications included elspar, vincristine, matulane, and oncovin among others (See Attachment # 1). The three main recipient institutions included the Kyiv Institute of Endocrinology, the Lviv Regional Children's Specialized Clinical Hospital and the Kyiv Institute of Pediatrics, Obstetrics and Gynecology. Each of these main centers assisted CCRF by mobilizing their hospital distribution networks in Ukraine, protecting the aid from any diversion. This airlift supplied hospitals with enough medicine and hospital supplies to last at least until the end of this year 1995.

CCRF was able to negotiate in-kind donations from the following pharmaceutical companies and distributors: Perkins Elmer, Siemens, Pfizer Inc, Searle & Company, Becton Dickinson, Union Hospital (NJ), Catholic Medical Mission Board, Inc., Brother's Brother Foundation. After soliciting bids from many pharmaceutical companies CCRF procured cancer medications from Stewart Freeman Pharmaceutical Laboratories and Prescript Pharmaceuticals, Inc. (See Attachment #3).

The following press agencies and newspapers distributed press releases and/or published articles about CCRF's USAID Oncology Project: US Information Service, American Embassy (Kyiv, UKR), Intel News, The Ukrainian Weekly, The Chernobyl Chronicle, The Star Ledger (NJ), Union Leader (NJ), America, Catholic Twin Circle (NY, NY), West Essex Tribune, West Orange Chronicle, Livingston Herald, The Record (NJ), The Item (NJ), Radio Liberty (Kyiv, UKR), Radio Kyiv (Kyiv, UKR), *America*, *Svoboda - The Ukrainian News Daily*, *Kievskiy Vidomosti (Kyiv, UKR)*, *Postup (Lviv, UKR)*, *Molod Ukrayiny (Kyiv, UKR)*, *Demokratychna Ukrayina (Kyiv, UKR)*, *Narodne Zdorov'ya (Kyiv, UKR)*, *Vashe Zdorov'ya (Kyiv, UKR)*. (See Attachment #2).

C. Progress Toward Achieving Program Objectives

1. TO IMPROVE THE SURVIVAL RATE OF UKRAINIAN CHILDREN AND ADLOESCENTS STRICKEN WITH RADIATION-RELATED DISEASES.

2. TO COMBAT AND REDUCE HIGH RATE OF INFECTIONS AMONG CHILDREN UNDERGOING SURGERY FOR VARIOUS ONCOLOGICAL ILLNESSES AND SUFFERING FROM WEAKENED IMMUNE SYSTEMS.

The accomplishment of objectives #1 & 2 has been reflected in progress reports and letters of gratitude submitted to CCRF by the Kyiv Institute of Endocrinology, the Lviv Regional Specialized Pediatric Center and the Kyiv Institute of Pediatrics, Obstetrics and Gynecology. (See Attachment #3).

3. TO PROVIDE NECESSARY POST-OPERATIVE DRUGS, ANTI-INFLAMMATORY MEDICINES, AND HORMONAL COMPOUNDS THAT CAN SPEED THE RECOVERY OF CHILDREN FOLLOWING SURGERY TO REMOVE MALIGNANT OR OTHERWISE LIFE-THREATENING TUMORS.

4. TO STRENGTHEN THE CAPABILITY OF LOCAL UKRAINIAN HOSPITALS TO COMBAT LEUKEMIA AND VARIOUS LYMPHOMAS, TO ACHIEVE REMISSION IN A TARGETED NUMBER OF CHILDREN.

For the first time, these hospitals received a full compliment of the leukemia medications needed to achieve remission in their young patients. The accomplishment of objectives # 3 & 4 is reflected in the cargo manifests for the last four airlifts specifically orchestrated for OTPP. (See Attachment #3).

5. TO TRAIN UKRAINIAN DOCTORS IN THE IMPLEMENTATION OF A FULL COURSE OF TREATMENT FOR CHILDREN WHO ARE SUFFERING FROM CANCERS WHICH CAN BE OVERCOME, GIVEN SUFFICIENT MEDICINE AND HOSPITAL SUPPLIES.

The accomplishment of this objective was demonstrated during Phase II (3rd Quarter) of CCRF's OTPP. (See Bound Copy)

Because of the long-term nature of these objectives, juxtaposed with the short term nature of this one year grant, it is in part necessary to review the past three quarterly reports submitted by CCRF in order to accurately assess the success of this project. Copies of all Quarterly Reports have been resubmitted with this final report as reference material for the final review process. (See Bound Copy)

The progress made has been directly contingent upon the catalytic development and evolution of this project which in CCRF's eyes did not terminate on September 30, 1995, but on the contrary, given the urgency of health care problems in Ukraine and the need for long-term, self-sustainable solutions, will continue, especially on the eve of the 10th anniversary of Chernobyl. (See Attachment #1).

D. Issues and Problems

Phase III of the OTPP did not witness any major problems with Airlift #15 or with the Project Director's monitoring trip in September. The limited funding available for commodity purchases and the inability to secure cash advances from USAID plagued the program at various stages, and at one point, a significant delay caused by the inability to pay for medications in advance almost led to the cancellation of the final airlift.

However, throughout the project, CCRF's Medical Advisory Council has worked diligently and successfully to maximize the value of every government dollar budgeted for this grant. From the outset, CCRF was concerned that the sum allocated for the procurement of commodities (\$200,000) would not be sufficient to assist more than a handful of pediatric cancer patients. The cost of chemotherapeutic drugs needed to treat one child for leukemia typically runs between \$80,000 and \$100,000 per year. These concerns were shared with USAID staff in Washington and in Kyiv. Despite this challenge, CCRF was able to secure a large volume of cancer medication as in-kind donations -- enough to treat virtually all the children undergoing treatment for thyroid cancer at the Kyiv Institute of Endocrinology this year and significant quantities of leukemic medicines - enough to treat hundreds of leukemia and lymphoma victims in Lviv, Vynnytsia, and Dniprodzerzhinsk. Yet, within the budgetary parameters of this grant CCRF successfully yielded a **non-federal total of \$5,538,210.05** worth of top quality medical aid over the course of one year.

This was the first time that some of these hospitals had ever received the full compliment of medications needed to place patients in remission, and the letters of appreciation written by directors of the cancer wards clearly reflect the satisfaction of clinicians who were finally able to implement an entire course of treatment in conformity with protocols that had once been mere wish lists.

Since cancer cannot be treated in isolation, CCRF also devoted a substantial amount of resources to combat the infections that can threaten patients in the post-operative and chemotherapeutic process. Donations from Searle, Pfizer, and other companies greatly strengthened the capabilities of hospitals to effectively counter these often life-threatening conditions. The USAID grant helped attract attention to the plight of these victims, and news of CCRF's successes at the Lviv Specialized Pediatric Center sparked a promising campaign initiated by CCRF's local chapters to secure a blood cell separator to further strengthen the children's chances of full recovery.

E. Status of Scheduled Actions

All planned activities for the last quarter of this grant have been executed, with the exception of the final audit, which will be submitted within thirteen months of the termination of this grant. After Airlift #15 CCRF's Project Director, Ksenia Kyzyk completed the final phase of the project by travelling to Ukraine, monitoring the distribution of the medicines, meeting with all hospital and institute directors, staff and parents, collecting patient records and final reports. (See Attachment #3).

F. Planned Activities for the Next Quarter

Although the grant for the OTPP has officially concluded, CCRF plans to take several steps to build on the successes achieved through this oncological program. Project Director Ksenia Kyzyk and Assistant Executive Director Alex Kuzma will be meeting with pharmaceutical representatives and donors at the grassroots level who helped to finance the Fund's contribution to the project, to report on the results of the USAID program and to encourage their ongoing support for cancer treatment programs in Ukraine.

Executive Director Nadia Matkiwsky and Dr. Zenon Matkiwsky will be traveling to Kyiv to meet with the directors of the centers which benefited most from the humanitarian shipments, to assess their needs and priorities, and to explore the potential for followup programs. Dr. Andrij Petrukh and his colleagues at the Lviv Regional Specialized Pediatric Center will be working with Princeton University's Schwartz Laboratories and with the New Jersey Medical School to further upgrade the quality of diagnostic services available to young patients suffering from leukemia and various blood disorders, and to develop monoclonal antibodies and other diagnostic reagents that can be produced domestically in Ukraine.

CCRF representatives will also be meeting with physicians and development directors at Yale-New Haven Hospital, St. Raphael's Medical Center (New Haven) and Dr. Molly Schwenn at the UMASS Medical Center in Worcester, MA to recruit new doctors willing to travel to Ukraine to provide supplemental training in the treatment of leukemia, Hodgkins Disease, and non-Hodgkins lymphoma.

Due to contacts made through the OTPP, CCRF has received an additional \$3 million dollars' worth of medical cargo which will be shipped to Ukraine before the end of 1995.

G. Concluding Remarks

LONG-TERM IMPACT OF GRANT

The Oncology Training and Procurement Program (OTPP) has enabled CCRF to greatly strengthen its hospital development program in Ukraine and to expand its contacts with American pharmaceutical companies. The delivery of oncological medications, chemotherapeutic agents and antibiotics to outlying clinics has helped to establish a solid working relationship with the National Institute of Pediatrics, Obstetrics and Gynecology, and opened new opportunities for progressive change in Ukraine's medical infrastructure.

The most dramatic breakthrough in this regard was the new partnership forged between CCRF and the Searle Pharmaceutical Group, a division of the Monsanto Company. Beyond securing an initial donation of \$150,000 worth of high-quality medicine, which arrived in Kiev as part of the August airlift, CCRF has entered into negotiations with Monsanto/Searle to develop a multi-year "Women and Children's Health Initiative" (WCHI). This program will target three provinces - Vynnytsia, Donetsk and Luhansk - for an intensive outreach campaign designed to enhance prenatal and early childhood health programs. Special attention will be devoted to rural communities, mining villages and small industrial centers which have experienced high infant mortality believed to be caused by environmental and sociological factors.

Monsanto/Searle has expressed strong interest in supporting the WCHI through the publication of educational materials, sponsorships of medical workshops and conferences, and direct financial aid for the procurement of a fully equipped mobile medical van, to reach remote communities in the targeted regions. Negotiations are currently underway to determine the scope of the Monsanto grant and to leverage additional sources of funding.

The program will also seek to expand on the physicians' training component of the OTPP by recruiting talented young doctors for local conferences and fellowships in the United States. The Yale School of Public Health, the New Jersey Medical School, the Saint Barnabas Medical Center (Livingston, NJ) have all expressed interest in hosting Ukrainian trainees. CCRF will be approaching USAID and private foundations for support of this program.

Through training provided at the New Jersey Medical School and Princeton University, and through technology provided by CCRF, Dr. Andrij Petrukh and his staff at the Lviv Regional Specialized Pediatric Hospital are developing the capability to produce monoclonal antibodies and simple reagents that can be shared with neighboring institutions and will no longer need to be imported

from Western Europe. Under CCRF's auspices, Dr. Petrukh and Dr. Jerome Zawadzki of Princeton also organized training workshops on flow cytometry and advanced techniques in blood diagnostics to aid in the treatment of leukemic children. The OTTP grant also led to several unforeseen developments which will help Ukraine develop greater self-sufficiency in providing medicines to needy patients and diagnostic reagents for in-country laboratories.

The OTTP grant also led to several unforeseen developments which will help Ukraine develop greater self-sufficiency in providing medicines to needy patients and diagnostic reagents for in-country laboratories. The most significant of these developments was the delivery of insulin production equipment for a small manufacturing facility in Lviv. This equipment was procured through the efforts of CCRF President Dr. Matkiwsky, and is expected to be on line in the near future, to help reduce Ukraine's reliance on European insulin imports.

Equally significant has been the contribution of CCRF's Physicians' Training Program which stimulated Ukrainian doctors from Lviv, Kyiv, and many surrounding areas to adopt more advanced techniques in leukemia treatment and thyroid illnesses. Dr. Petrukh, Dr. Koziy, and other Ukrainian trainees who hosted Dr. Molly Schwenn and Dr. Martin Fosburg (a pediatric oncologist and blood bank clinical specialist) during the USAID funded medical conference and training tour in April (See Quarterly Report # 3) have begun planning followup training conferences, to share their new knowledge with counterparts in neighboring oblasts in Trans-Carpathia and Western Ukraine. Both Drs. Schwenn and Fosburg developed very positive opinions of these local Ukrainian doctors and their capabilities in terms of medical aid received from CCRF:

The physicians we met were skilled people, very up to date in their knowledge and treatment techniques and avid to learn what they could from us. [We] lectured each day of our stay [during the medical conference]. Each lecture was well attended. Audience interest and participation (via questions) was in full measure. They are delivering modern cancer care under the terrific burden of limited resources. This presents them with formidable problems. Just as an example, intensive blood product support is an essential part of modern cancer therapy. In the US, we take for granted both the unlimited availability of any needed blood product and the safety of that blood product. We learned that in...Ukraine, it is frequently not even possible to test blood compatibility or to test blood for hepatitis. Consequently, almost all of their patients develop hepatitis B from blood transfusion during treatment. The hepatitis frequently delays the chemotherapy needed to cure the cancer. In addition to the transmission of hepatitis from untested blood and the likelihood of reactions from incompatible transfusions, the availability of products such as red cell units, platelets, etc is often problematic. Shortages of supplies of all types, including drugs, are a constant source of concern. Not only do the doctors there have to be good, they have to be experts at improvisation. From my brief visit, I would say that they are delivering a remarkably good quality of care given their resources. I would not presume to know how best to allocate the limited funds of any charity towards improving the quality of medical care in...Ukraine. Vaccination, however, has often been a cost-effective technique...After getting to know the medical people in Lviv, I feel confident that they will make full use of whatever medical resources are put into their hands.

Similarly, in Kyiv, Dr. Leo Wolansky, an MRI specialist from the New Jersey Medical School provided invaluable training and diagnostic atlases that will enable doctors at the Kyiv Emergency Hospital to make a quantum leap in the early diagnosis and treatment of tumors using the General Electric MRI installed by CCRF in 1994. Based on Dr. Wolansky's review and independent assessments by other qualified experts, it is clear that the MRI is functioning properly and that the technicians and radiologists trained under CCRF's auspices have mastered its applications. CCRF has implemented many of the suggestions proposed by this team of US based doctors that participates in its Physicians' Training Program.

Ultimately, CCRF's "Oncology Training and Procurement Project" served as a catalyst for the development of a more advanced Physicians' Training Program and Women's and Children's Health Initiative, especially as they relate to cancer treatment. OTPP has enhanced CCRF's ability to serve as an informational, resource bridge for the United States, Ukraine and the world community. The OTPP has enabled CCRF to realize more of its potential as the leading humanitarian organization working to protect and save the lives of children confronting the human legacy of the world's worst environmental disaster.

H. Attachments (Enclosed Supplements)



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Subject: Grant # 110-0001-G-00-4026-00 Quarterly Report
Ending June 30, 1995

ONCOLOGY TRAINING AND PROCUREMENT PROJECT

QUARTERLY REPORT

(Period March 31-June 1995)

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A. Cumulative Expenditures and Cost to Complete Projections

<u>BUDGET LINE ITEM</u>	<u>FEDERAL</u>	<u>NON-FEDERAL</u>	<u>TOTAL (USD\$)</u>
Commodities & Equipment	104,804.79	1,158,510.42	1,263,315.21
Program Management	56,861.55	17,329.16	74,190.71
<u>Training</u>	<u>40,149.05</u>	<u>50,000.00</u>	<u>90,149.05</u>
Program Total	201,815.39	1,225,839.58	1,427,654.97

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B. Description of Activities for this Period: 4/1-6/30/95

**USAID ONCOLOGY PROJECT
PHYSICIANS' TRAINING PROGRAM**

**APRIL 24 - MAY 2
1995**

On April 24-May 2 CCRF orchestrated and sponsored a two part physician's training program which addressed both the leukemia and thyroid cancer crisis in Ukraine as the focal points of the USAID Oncology Training and Procurement Project. The first part of this program consisted of one-on-one hands-on training between U.S. and Ukrainian based physicians. The second part of the program was a medical conference - *Pediatric Oncology Conference on Thyroid Cancer and Leukemias* which took place at the Kyiv Institute of Endocrinology with about 500 participants. The conference was hosted by the Ukrainian Academy of Medical Sciences and the Ukrainian Ministry of Health, . It was the climax of the training component of CCRF's USAID Oncology Training and Procurement Project , as well as part of the 9th anniversary commemorative program organized and sponsored by CCRF in Ukraine. (See Attachment #1)

CCRF's Medical Advisory Council recruited a team of U.S. based physicians to lecture and conduct training workshops at the Kyiv Endocrinology Institute and the Lviv Pediatric Center of Western Ukraine. They included Nicholas G. Baranetsky, M.D., F.A.C.P., F.A.C.E., a specialist in endocrinology and Associate Professor of Medicine at the Seton University School of Graduate Medical Education; Benjamin F. Rush, Jr., M.D., a surgeon and Distinguished Professor of Surgery at the UMDNJ New Jersey Medical School; Zenon Matkiwsky, D.O., Chief of Surgery at Union Hospital; Molly R. Schwenn, M.D. a pediatric hematologist and Associate Professor and Clinical Director of the Department of Pediatrics at the University of Massachusetts Medical Center; Martin Fosburg, M.D. a pediatric hematologist by specialty and Former Director of the Blood Bank and Boston Children's Hospital. (See Attachment #2)

The medical conference held on April 29-30th at the Kyiv Institute of Endocrinology was the highlight of the second part of CCRF's Physicians' Training Program for CCRF's USAID Oncology Project. The opening remarks were made by Dr. Zenon Matkiwsky, President of CCRF, Chief of Surgery at Union Hospital - an affiliate of the St. Barnabas Health Care System and Associate Professor of Medicine at UMDNJ in New Jersey. The keynote address was delivered by Dr. Andriy Serdiouk, the Minister of Health in Ukraine who spoke on the topic of the health crisis in Ukraine. He commented that "Conferences such as these provide an open platform for discussion about the serious health issues that are threatening the future generations of Ukraine. The Ukrainian Ministry of Health fully supports the humanitarian efforts of CCRF which facilitate a beneficial exchange between the East and the West." Other speakers featured included Dr. Olga Bobyljova, the Chief of the Department of Chornobyl Related Medical Problems and Nuclear Protection from the Ukrainian Ministry of Health, who spoke on the impact of Chornobyl on the health of children in Ukraine.

The First Session covered the topic of pediatric endocrinology, which has become a major concern since 1992, when the World Health Organization verified that the rate of thyroid cancer among children living near Chornobyl had risen to levels 80 times higher than normal. Last month, the Washington Post reported that the incidence of thyroid cancer among children in Belarus and Ukraine is now "soaring" at even higher rates than originally reported - in some areas, 200 times higher than normal. The panel discussion featured Dr. Mykola Tronko, the director of the Kyiv Institute of Endocrinology and Metabolic Studies. Dr. Tronko's Institute has provided treatment for 165 children stricken with thyroid cancer, most of whom are in various stages of recovery. To strengthen the Institute's ability to combat this problem, last month, the Children of Chornobyl Relief Fund provided the Institute with a large quantity of thyroxin and thyroid hormonal compounds which are used to treat these cancer victims. Because of his vast experience in treating the disease, Dr. Tronko has become recognized as an authority on this disease which rarely occurs in children under normal circumstances. Dr. Nicholas Baranetsky and Dr. Benjamin Rush offered valuable insights into Western strategies for the treatment of thyroid tumours.

Session II focused on various problems related to pediatric hematology. Leukemia, Hodgkins Disease and non-Hodgkins lymphomas have been related to radiation exposure, although their increase in the wake of Chornobyl has not been as pronounced as the increase in thyroid cancer. The hematology workshop featured Dr. Molly Schwenn, a leading leukemia specialist from the University of Massachusetts Medical Center. In 1990, Dr. Schwenn provided life-saving treatment for Vova Malofienko, a young leukemia victim from Chernihiv, who had been brought to the United States by CCRF. The panel also featured Dr. Rostyslav Koziy, an alumnus of CCRF's Physician's Training Program in the US

where he was awarded a fellowship in pediatric hematology at the University of Pittsburgh, and his colleague Dr. Roma Polishchuk, the head of the hematology ward at the Lviv Pediatric Center of Western Ukraine (founded by CCRF in 1990). Dr. Koziy was awarded a two-year fellowship in pediatric hematology at the University of Pittsburgh. He had just returned to Ukraine from his training program.

Drs. Molly Schwenn and Martin Fosburg conducted training seminars and workshops at the Lviv Regional Specialized Children's Hospital. Topics covered included round table sessions on pediatric hematology topics such as diagnosis and treatment of juvenile chronic myelocytic leukemias, mycoplasmic syndromes, lymphomas, neuroblastoma and other blood disorders. (See Attachment #3). Drs. Nicholas Baranetsky, Benjamin F. Rush and Zenon Matkiwsky conducted hands-on training workshops which covered the following pediatric endocrinology topics: thyroid cancer diagnostic techniques - fine needle aspiration biopsies, and various surgery techniques. (See Attachment #1)

A number of native Ukrainian highly qualified and acclaimed experts in the fields of hematology, endocrinology and radiology also participated in this medical conference. They included: Dr. I.V. Komisarenko (Surgery - Endocrinology Institute), Dr. O.V. Epstein (Diagnostics - Endocrinology Institute), Dr. V. A. Oliynyk (Post Operative Treatment - Endocrinology Institute), Dr. V.F. Chebotariov (Immunology - Endocrinology Institute), Dr. K. M. Buslova (Hematology, Institute of Clinical Radiology), Dr. Drozdova and Dr. H.I. Moroz (Juvenile Leukemia, Institute of Hematology), Dr. L. P. Kyndzelskiy and Dr. S. A. Sykovych (Diagnostics, Institute of Oncology), and Dr. K.P. Zak (Radiology, Endocrinology Institute). (See Attachment #4)

The medical conference underscored the serious crisis which Ukraine faces in coping with Chernobyl's aftermath. According to the Ministry of Health, blood disorders have tripled in children since 1986, and a great many other problems have emerged as a result of depressed immune systems in children and adults exposed to radioactive fallout. Local experts project that cancers related to Chernobyl will peak by the year 2000. All lecturers approached this subject in the context of their specialties, providing the latest statistics, analysis and proposed solutions to this health crisis. The conference addressed the issue of Chernobyl's impact on children's health in Ukraine facilitating a beneficial, educational exchange of medical information between the U.S. and Ukraine.

CCRF's Project Director Ksenia Kyzyk, who chaired the conference committee stated that, "Conferences such as these provide an open platform for discussion about the serious health issues that are threatening the future generations of Ukraine. They bring attention to a health tragedy that, unfortunately, is being

ignored by much of the world's health community. By enhancing public awareness with hard statistics, this conference reinforced the importance of CCRF's mission. Saving the maximum number of children's lives should be a top priority. I think that we successfully facilitated a physician's training exchange program which benefited both the East and the West."

AIRLIFT #14
PHASE II - ONCOLOGY PROTOCOLS DELIVERED

On April 28th, CCRF staged its 14th medical airlift in commemoration of the 9th Anniversary of Chernobyl as part of Phase II of its USAID Oncology Training and Procurement Project. The transportation and delivery of CCRF's medical cargo was coordinated through the United States Department of State, the S/NIS/C Office. An Iliushyn-76 arrived at the Boryspil Airport in Kiev with the valuable medical cargo. The airlift delivered over \$.5 million dollars worth of critically needed medicines, including an entire specialized leukemic and thyroid treatment protocol valued over \$100,000. The purchase of these oncology medications was done through Stewart Pharmaceutical Laboratories & Florida Infusion. (See Attachment #5) The purchase was approved by USAID pharmacist Tony Langston in Washington, DC. In addition to the cancer drugs CCRF also delivered antibiotics, basic medicines, and medical supplies, donated by the Catholic Medical Mission Board. Rev. Edward McMahon, Director of CMMB accompanied this CCRF shipment for the first time since CCRF and CMMB started working together to provide medical relief to Ukraine five years ago. Other pharmaceutical companies which donated oncological medications and other pharmaceuticals and equipment for this airlift include Immunex (a subsidiary of Lederle), Ohmeda, Perkin Elmer, and Ivac.

This airlift #14 was the third airlift in a series coordinated in conjunction with the United States Department of State for Phase II of the Oncology project. In January and February of 1995, the first two medical shipments were delivered to Ukraine as part of Phase I of this project. When CCRF representatives arrived in Ukraine on April 28th , they were able to return to those hospitals which received cargo from the earlier shipments, witnessing their actual distribution to children. Distribution and monitoring reports were submitted to CCRF by hospital staff, documenting the use of the medicine and treatment progress and current health status of patients who received CCRF's medical aid. This documentation will be submitted in the final report.

April's shipment was delivered to several pediatric hospitals in Kyiv, Lviv and Pushcha Vodytsia. Supervising and accompanying the cargo was Ksenia A. Kyzyk, CCRF Project Director, Tania Sawa, CCRF Administrative Assistant-Cargo Coordinator, Tanya Vena, CCRF Treasurer and Askold Shegedyn, CCRF Financial Advisor. All cargo was labelled with USAID emblem stickers. This CCRF team vigorously monitored the transport and delivery of the medicines and supplies, from the airports in Kyiv and Lviv to the storage rooms at the Kyiv Endocrinology Institute and Lviv Regional. CCRF's monitoring team ensured that supplies were properly delivered door-to-door, secured and utilized, personally accompanying the cargo aboard cargo trucks to its final

destination. They witnessed all the medications shelved in special storage rooms that were locked for protection, securing the aid from any diversion.

This was Mr. Shegedyn's first trip to Ukraine as a Cargo Monitor for CCRF. As a volunteer, he has devotedly offered his time and financial expertise to the Fund and when asked to comment on the airlift, he said, " Seeing the cargo actually being delivered directly into the hands of capable physicians who will administer it to the children who need it so desperately really sheds a new light on my work as a volunteer. Up until now, my work has been exclusively limited to the national office. Now, I can see how effective the efforts of all our volunteers and staff really are. Witnessing the airlift I have a renewed sense of commitment to the children of Chernobyl." (See Attachment #)

Press releases were sent to the following newspapers, magazines and radio stations: Star Ledger (NJ), NYTimes, Ukrainian Weekly, America, The Record (South Orange, NJ), Livingston Herald (Livingston, NJ), The Item (Millburn/Short Hills, NJ), Bergen Record (/NJ), West Orange Chronicle (NJ), USA Today, Union Leader, Catholic Twin Circle (New York City), Reuters, Intel News (Kyyiv, UA), Radio Liberty (Kyyiv, UA), Radio Kyyiv (Kyyiv,UA), TV Radio Agency Novyny (Kyyiv, UA), Demokratychna Ukrayina (Kyyiv, UA), Kievskie Vedomosti (Kyyiv, UA), Molod Ukrainy (Kyyiv, UA), Vechirniy Kyyiv (Kyyiv, UA), Post Postup (Lviv, UA), Vysokiy Zamok (Lviv, UA), USIA.

The Public Relations Department of the Ukrainian Ministry of Health assisted CCRF in coordinating press coverage for this airlift and the medical conference. USAID was mentioned in every press release.

C. Progress Toward Achieving Program Objectives

OBJECTIVES:

#1 To improve the survival rate of Ukrainian children and adolescents stricken with radiation-related illnesses.

#4 To strengthen the capability of local Ukrainian hospitals to combat leukemia and various lymphomas, to achieve remission in a targeted number of children.

CCRF has met this objective by delivering oncological medications for leukemia and thyroid treatment on its Airlift #14 as part of Phase II of this grant. The remainder of the medication (@\$100,000 worth) will be purchased and shipped on Airlift #15 this August, as part of Phase III of this grant. The use of these medications is being monitored by CCRF Field Officer - Ms. Lydia Potoczniak and CCRF representative Dr. Roman Kovalsky. The final patient reports from the Kyiv Institute of Endocrinology and Lviv Regional Specialized Children's Hospital will be submitted at the termination of this grant in September after all medication has been delivered, distributed, monitored and used. These reports will be analyzed in CCRF's final report to USAID.

#2 To combat and reduce high rate of infections among children undergoing surgery for various oncological illnesses and suffering from weakened immune systems.

#3 To provide the necessary post-operative drugs, anti-inflammatory medicines, and hormonal compounds that can speed the recovery of children following surgery to remove malignant or otherwise life-threatening tumours.

To date CCRF has met this objective through its non-federal contribution (\$699,873.46) by delivering post-operative drugs, antibiotics and other basic medicines to the assigned recipient medical institutions. The federal share has amounted to \$9,237.33. Airlift #15 in August will transport more antibiotics and post-operative medications, procured and donated.

#5 To train Ukrainian doctors in the implementation of a full course of treatment for children who are suffering from cancers which can be overcome, given sufficient medicine and hospital supplies.

As reported above in section B, CCRF successfully and effectively met this objective through its two-part physicians' training program this past spring, which included hands-on workshops and a medical conference. This Oncology PTP Program facilitated a platform for long-term professional relationships between the CCRF US Medical Advisory Team and Ukrainian-based physicians in their respective fields of the Ukrainian health care system. The US based doctors will continue serving as consultants to the Kyiv Institute of Endocrinology and the Lviv Regional offering advise and helping these medical institutions reach their goal of self-sustainability. Through this program CCRF has expanded the foreign medical assistance network in Ukraine.

D. Issues and Problems

Organizing an airlift and a Physician's Training Program/Medical Conference in Ukraine was an undertaking that required detailed planning in both the US and in Ukraine. With 14 airlifts of experience, three of which were staged as a part of this grant, CCRF has mastered dealing with last minute scheduling changes and delays due to transportation and communication problems.

Phase II of CCRF's USAID Oncology Training and Procurement Grant witnessed the climax of this project. Under the circumstances of working with individuals in a country that is not accustomed to rigid time tables and schedules, we managed to reach the goals which we set out to achieve.

E. Status of Scheduled Actions

As described in Section B, to date CCRF has executed its scheduled events planned on the time line submitted to USAID. Phase III of this grant will culminate with the final shipment of oncological medications and final monitoring visits by CCRF staff.

F. Planned Activities for Next Quarter

- ① August 1995: Final shipment of oncological medications (CCRF Airlift #15)
Monitoring of Phase II shipment and delivery
Collection of patient data
Long-Term Follow-up visit to recipient medical institutions
Meeting with USAID Kiev Mission Project Officer
- ② September 1995: Grant Termination
Preparation of Final Report



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Subject: Grant # 110-0001-G-00-4026-00 Quarterly Report
Ending March 31, 1995

ONCOLOGY TRAINING AND PROCUREMENT PROJECT

QUARTERLY REPORT

(Period January 1-March 31, 1995)

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A. Cumulative Expenditures and Cost to Complete Projections

<u>BUDGET LINE ITEM</u>	<u>FEDERAL</u>	<u>NON-FEDERAL</u>	<u>TOTAL</u>
Commodities	95,737.46	1,158,510.42	1,254,247.88
Program Management	40,403.95	11,733.49	52,137.44
Training	0.00	0.00	0.00
Program Total	136,141.41	1,170,243.91	1,306,385.32

B. Description of Activities for this Period: 1/1-3/31/95

1. UKRAINE TRIP: JANUARY 13 - FEBRUARY 13 1995

In January of 1995 President, Dr. Zenon Matkiwsky and Project Director, Ksenia Kyzyk travelled to Ukraine. The purpose of this trip was three-fold: 1) To fulfill CCRF's USAID Project Officer's requirement for a meeting, 2) To lay the groundwork for the Physician's Training Conference on Chornobyl Related Oncology, 3) To prepare and execute the transport, distribution and monitoring of the 1st medical airlift for this oncology grant.

1) Meetings with USAID

CCRF's first Quaterly Report was submitted personally to Project Officer Ann Aarness, Democracy Officer Patricia Liefert and Contract Officer Jerry Kryschal. A number of meetings were held on January 17, 20, 23, 26 and February 10 with the above mentioned officers as well as with Barbara Krell - Controller and Oleg Yakimtov - Voucher Examiner and Medical Advisor Viktor Boguslavsky. The purpose of these meetings was to clarify issues and resolve problems regarding CCRF's contract and reimbursements. In particular the following issues were addressed:

1. Reimbursement voucher processing and payment delay
2. Project Officer designation - written confirmation
3. Budget Amendments - Grant Adjustment/Written Confirmation
4. Cash Advance Request
5. Supplemental Oncology Unsolicited Grant Proposal
6. Press coverage for airlifts and program
7. February Airlifts #1 & #2

Item 1: There was an unnecessary delay in processing reimbursement vouchers because there were administrative delays and lack of proper communication between the USAID Kiev Office and the USAID Moscow office. After CCRF's position was clarified, Barbara Krell discovered that the Moscow Office had falsely reported that CCRF's vouchers had been processed when in fact they had not. Ms. Krell personally contacted the Moscow director and demanded immediate processing and payment of the vouchers. All vouchers (October through January) were meticulously reviewed and processed together. By February 13th all payments were on hand at the CCRF National Office totalling \$29,960.36.

Items 2,3,4: These items were to be resolved in CCRF's favor by the Contract Officer - Jerry Kryschal. Regarding the cash advance request, it was verbally confirmed that USAID will begin auditing CCRF's accounting system within one month of receiving the request from the USAID Kiev Mission. Upon approval CCRF will be eligible for cash advances for this and future grant appointments. To date, there has been no written confirmation regarding items 2, 3, or 4, even after a number of faxes have been sent from CCRF requesting a status report on their progress.

Item 5: The supplemental oncology grant was submitted to Patricia Liefert. It was designed to strengthen CCRF's ability to execute *this* grant. To date CCRF has provided more than 150% of its required contribution of commodities under this grant. Given the limited circumstances and financial parameters of this Oncology Grant CCRF deemed it necessary to seek additional funding based on the need to distribute a higher volume of commodities and based on its track record of providing timely and focused medical aid to Ukraine.

Item 6: Press coverage for the 2 airlifts was handled by CCRF and USIS (United States Information Service) out of Kiev. CCRF submitted press releases to USIS for distribution within the Ukrainian media network. CCRF gave live interviews to Radio Liberty and Intel News in Kyiv and "ZVZ" TV in Lviv. the following US based newspapers covered the airlift: The Livingston Tribune, the Ukrainian Weekly, America, The Sower. Special attention is given to television and radio coverage because of its ability to immediately reach the public.

Item 7a : Airlifts #12 & #13 were implemented as part of Phase I of CCRF's Oncology Project. These two airlifts were coordinated and monitored by CCRF staff - Ksenia A. Kyzyk (Project Director), Tania Sawa (Administrative Assistant and Cargo Coordinator) and Lydia Potoczniak (Lviv Intern) and Oleh Deyneko (CCRF Kyiv Representative), in conjunction with the United States Department of State and Matrix International. The first airlift arrived at the Kyiv Boryspil Airport and the second at the Lviv Airport bringing 20 tons of medical aid valued at \$1.2 million. The recipient institutions included: Kyiv Institute of Endocrinology, Kyiv Emergency Hospital and the Lviv Regional Pediatric Center of Western Ukraine. All cargo was personally accompanied by CCRF staffers to these respective institutions aboard two AN 12 aircraft and trucks provided by TNT Express Worldwide. Extensive photographs were taken, documenting the unloading of the planes, loading onto the trucks, delivery to the consignees and lock-in-key storage. Each of the deliveries was also monitored by the directors of each hospital. Each recipient institution signed bills of lading, confirming door-to-door delivery and receipt of their respective cargo. All paperwork was verified by CCRF's cargo manifest. Prior to delivery, CCRF distributed cargo monitoring/tracking packets to the directors of the hospitals, as well as to all the heads of departments, and provided training

sessions on how to keep track of administering specific medicines from CCRF in order to account for all medicines used for treatment. This record keeping system will be reviewed and submitted at the end of April at which time a CCRF delegation will be in Ukraine implementing Phase II of the Oncology Project.

Kyyiv Institute of Endocrinology (KIE): After an extensive meeting, the USAID Oncology Program Implementation Agreement was reviewed and signed by Dr. Zenon Matkiwsky (President and Chair of CCRF Medical Advisory Council (MAC) and Dr. Mykola Tronko (Director, Kyyiv Institute of Endocrinology). This institute received post-operative drugs, basic medicines and surgical and hospital supplies on airlift #12. An updated medical needs assessment was provided to CCRF for procurement purposes, given the fact that the institute treated 60 cases of pediatric thyroid cancer last year. This institute will be the site for CCRF's PTP Conference on April 29-May 2, 1995.

Kyyiv Emergency Hospital (KEH): This hospital received post-operative drugs, basic medicines and hospital supplies on airlift #12. In addition to receiving medical aid, the MRI system underwent a thorough analysis by CCRF's Dr. Zenon Matkiwsky and Project Director Ksenia Kyzyk. Interviews were conducted with the head engineers and radiologists and a full report was given to CCRF by Dr. Georgiy Roshchin - director of the hospital. After achieving excellent initial results (diagnostic images) in the first month of operations, Dr. Roshchin reported significant malfunctions with the MRI system purchased from GE. All training and engineering issues were addressed in writing and submitted to CCRF President Dr. Zenon Matkiwsky. Upon his return to the US Dr. Matkiwsky wrote an extensive follow-up report to GE and CCRF's partners in the program. An emergency meeting was held with GE representative Yuri Wedmid to resolve outstanding complications and problems. Presently, CCRF is planning additional training and evaluation sessions for the MRI engineers, technicians and radiologists as part of the PTP component of this grant. CCRF MAC volunteers, Dr. Leo Wolansky, a GE MRI specialist from University of Medicine and Dentistry of New Jersey (UMDNJ), and Dr. Chrystia Slywotzky, a radiologist from the NYU Breast Imaging Center, will be supervising this process. An International Radiology Conference is being planned in Kyyiv on May 15-18, which will be attended by radiologists from the Kyyiv Emergency Hospital who work with the MRI unit as part of their training.

Lviv Regional Pediatric Center of Western Ukraine (LRPCWU): The USAID Oncology Program Implementation Agreement was reviewed and signed by Dr. Zenon Matkiwsky and Dr. Oleksandr Myndiuk (Director of the Lviv Regional). A complete supply of methotrexate and leucovorin was delivered as part of the leukemia protocol for the hematology ward of this hospital, under the direction of Dr. Roma Polishchuk. Also delivered were antibiotics, post-operative drugs, basic medicines and hospital supplies. CCRF implemented an additional tier of

documentation and inventory controls to monitor disbursement of methotrexate and leucovorin delivered. Through the combined efforts of CCRF and PTP participant and Director of the Clinical Laboratory Dr. Andriy Petrukh, Dr. Jerome Zavadsky of Princeton University travelled to the laboratory of this hospital in order to repair the flowcytometer which had been in full operation since 1992 (the year CCRF donated it). Dr. Zavadsky, a former top level medical engineer from Coulter Corporation, carried out a thorough evaluation of the diagnostic laboratory at this Leukemia Center as part of CCRF's needs analysis and strategic planning process. Also, Dr. Roman Kovalsky, pediatric cardiologist at the Lviv Regional Children's Hospital, is developing a proposal for establishing an updated Medical Library at the Lviv Medical Institute to enhance the training of physicians from throughout Western Ukraine.

Item 7b: USAID Project Officers emphasized that all medical cargo for this project must be labelled "Humanitarian Aid" with USAID emblem stickers. Although an effort was made on behalf of CCRF to acquire USAID stickers in Kiev, they were unavailable. CCRF proceeded to purchase the emblem stickers in the US. These labels will appear all medical cargo for the April 28th Airlift #14.

2. CCRF CONTRIBUTIONS

To date CCRF has contributed \$1,170,243.91 worth of program expenditures. Of this, \$1,158,510.42 has been for commodities, including oncological medicines, post-operative drugs, miscellaneous medicines and hospital supplies. About 95% of this value for commodities has been donated as a result of CCRF's pharmaceutical procurement campaign. This is a strong indicator of CCRF's ability to leverage and negotiate during the procurement process in order to maximize every US dollar granted for the purpose of this pediatric oncology project.

3. ON-SITE FIELD WORK IN UKRAINE

Over the last quarter, on-site field work in Ukraine was conducted by Lviv based CCRF Intern Lydia Potoczniak, US-based Project Director Ksenia zzyk and Administrative Assistant, Tania Sawa. At the request of the USAID Kiev Mission Project Officers, CCRF's President and Chair of the Medical Advisory Council, and Ksenia Kyzyk came to Kyiv Ukraine to provide a personal update on the progress of CCRF's Oncology Project. During this trip Phase I of this project was completed and details for the implementation of Phase II were planned in Kyiv and Lviv. Phase I culminated with Airlifts #12 and #13. Most of the coordination was handled with Matrix International, TNT Express Worldwide and the recipient institutions. Phase II details included planning logistics for the complete cycle of the Physicians' Training Conference in Kyiv on April 24-May 2, cargo delivery, monitoring and tracking and

strategic planning for airlift #14. Lydia Potoczniak has been in constant contact with the Lviv Regional Pediatric Center of Western Ukraine, monitoring the use of the medicine track sheets and doing periodic inventory control. She has been conducting interviews with the sick children and their parents who are directly receiving CCRF's medical aid, especially in the hematology ward that is the focus of the leukemia component of this oncology project. She has been assisting in the coordination of the Lviv component of the PTP for this spring. In addition, to this work, Dr. Zenon Matkiwsky went to Ukraine at the beginning of April to finalize all plans for the ninth anniversary April airlift and PTP conference.

4. CARGO MONITORING/TRACKING

As delineated in sections B-1 & B-3, CCRF has developed a detailed cargo monitoring system which requires the heads of individual hospital departments to keep track of all medicines donated by CCRF. The tracking forms are categorized by medicine and then completed according to the pediatric patient records. These forms were distributed prior to the arrivals of Airlift #12 and #13. Special training sessions were held explaining their purpose and use. Intern Lydia Potoczniak has been monitoring the use of this tracking system. According to CCRF implementation agreements with the recipient institutions CCRF is scheduled to receive the tracking forms and reports for Phase I of this Oncology project in April.

5. CCRF ADMINISTRATION

Three months have passed since CCRF met with USAID Kiev Mission staff regarding specific administrative problems encountered during the first quarter. No response has been given to a series of unanswered faxes sent to Kyiv by US based staff. (See attachment #A). Although there are a series of unanswered questions, one in particular is posing a significant problem - that of CCRF's eligibility for cash advances. This issue was addressed in January with USAID staff and CCRF was assured that the process for approving cash advance eligibility would be immediately activated in order to ensure advance eligibility as soon as possible. To this day, CCRF's national office has not been advised as to the status of its request. This has seriously jeopardized CCRF's efforts to acquire the necessary oncological medicines for the April 28th airlift #14. This administrative issue has complicated and delayed CCRF's procurement and cargo coordination process. The unavailability of timely cash advances may preclude CCRF from leveraging large in-kind donations or optimum discounts on critical oncological drugs. Because of the work load involved with this grant and the demands placed on CCRF by USAID, CCRF's Administrative Assistant Tania Sawa has been assisting in the coordination of cargo logistics with the US State Department, Matrix International, Jan Packaging and the Catholic Medical Mission Board Warehouse.

6. PHYSICIANS' TRAINING PROGRAM (PTP)

CCRF has planned the PTP component of the Oncology Project in the form of a conference and training workshops, *entitled Pediatric Oncology Conference on Thyroid Cancer and Leukemias* (See attachment #B). In completion this training cycle will take evolve over about a two week period (April 23-May 2). The conference is being organized and planned by CCRF and is being hosted by the Ukrainian Ministry of Health at the Kyiv Institute of Endocrinology on April 29-30. Hands-on training workshops for leukemia will take place at the Lviv Regional Pediatric Center of Western Ukraine and for thryoid cancer at the Kyiv Endocrinology Institute. Given the restrictions of the budget, CCRF's Medical Advisory Council decided that it would be much more cost-effective to actualize the PTP in Ukraine by bringing US based physicians on-site to Ukraine to train, rather than bringing Ukraine based physicians to the United States for training. CCRF will be able to train hundreds more physicians in Ukraine for less money, applying this strategy. CCRF has invited four US based physicians to participate as lecturers. They include:

1. Molly R. Schwenn, M.D. (Pediatric Hematologist, Associate Professor, Clinical Director, Department of Pediatrics, University of Massachusetts Medical Center)
2. Martin Fosburg, M.D. (Pediatric Hematologist, Former Associate Director, Blood Bank at the Boston's Children's Hospital)
3. Nicholas G. Baranetsky, M.D., F.A.C.P., F.A.C.E. (Endocrinologist, Associate Professor of Medicine, Seton Hall University, School of Graduate Medical Education)
4. Benjamin F. Rush, Jr., M.D. (Surgeon, Distinguished Professor of Surgery, UMDNJ/New Jersey Medical School)

A detailed report on this conference will be submitted in the Third Quarterly Report in June.

C. Progress Toward Achieving Program Objectives
(Reference: Program Description attached to Grant Schedule)

CCRF has reached and far exceeded its required non-federal portion for this grant in the area of commodity procurement. Please see section B-2.

1) Improvement of Survival Rates:

To date, CCRF has procured over \$600,000 worth of leukemia and thyroid cancer medications. Both protocols have been supplied in their entirety to the respective hospitals, a donation that can ensure a thorough, healthy treatment for pediatric patients. Such a delivery has proven to increase survival rates because the patients receive accurate and complete dosages that have the potential of bringing them out of remission. In addition to the oncological supplies already procured, CCRF and its Medical Advisory Council is engaged in negotiations with Eli Lilly & Co., Pfizer, and other major pharmaceutical manufacturers to obtain in-kind donations of medical supplies. CCRF will also revisit Bristol Myers Squibb, Rhone-Poulenc Rorer, U.S. Surgical and other firms which decline the Fund's initial requests for in-kind and discounted donations of medical products.

2) Combatting Infectious Disease:

CCRF has procured a series of antibiotics which will be delivered in April. They include: Amoxicillin, Penicillin, Tegopen, Mefoxin, Cefadyl, Neostigmine, Cloxacillin, Dynapen, Rocephin, Macroclantin, Gantrisin, Norpramin, Rimpex, Dantrium, and Gantrisin (Ophtasol). It has also consulted with world renown infectious disease and immunology specialist - Dr. Leon Smith about the status of infectious diseases in children living in a country that presently fosters a third world health care system. Dr. Smith is assisting CCRF in recruiting specialists in the field of infectious disease to travel to Ukraine to train on this subject.

3) Procurement of Post-Operative Drugs:

Pediatric centers across all of Ukraine are in dire need of these drugs. Through its pharmaceutical procurement campaign CCRF has and will consistently provide these medications, which are an essential part of the recovery process for children undergoing chemotherapy, radiation-therapy or surgery.

4) Physicians' Training Program:

As described in section B-6 CCRF is approaching the culmination of its oncology project with its 14th airlift on April 28th and the Physicians Training Conference. Please see section B-6 and Attachment #B for details.

D. Issues and Problems

Most of the issues and problems that CCRF faces with this oncology project are not remotely associated with the program planning and content but with the administrative aspects related to the USAID Kiev Mission. As noted in the First Quarterly Report, as in section B-5 CCRF is having difficulty achieving its objectives because of the non-responsiveness of the USAID Kiev Office. The issues and problems addressed in the first quarterly report have still not be resolved. This is problematic because it is jeopardizing the grantee's effectiveness in maximizing purchases and consequent donations of pharmaceuticals.

With respect to the substantive program, CCRF is successfully working with all recipient institutions, the Ukrainian Ministry of Health and the Ukrainian Academy of Medical Sciences.

E. Status of Scheduled Actions

According to the approved time line, CCRF has executed all of the scheduled program implementation tasks to date including:

1) January-April 1995:

1. First team of MAC advisors and CCRF staff travelled to Ukraine for on-site preparation for shipment and PTP strategy planning for the spring conference and workshops.
2. First airlift shipment of medicines to Kyiv and Lviv completed. Distribution, monitoring and follow up completed by CCRF Project Director, Intern and Administrative Assistant/Cargo Coordinator.
3. Phase II of pharmaceutical procurement campaign launched successfully, as indicated by the variety and quantities of medicine to be shipped on the April 28th Airlift #14.
4. April 1995: A CCRF delegation (including staff, volunteers, members of MAC) is scheduled to travel to Ukraine with a major shipment of oncological medicines and for the PTP conference scheduled for April 24-May 2. The same distribution network and monitoring processes will be enforced as with the shipment during the implementation of Phase I.

F. Planned Activities for Next Quarter

- Airlift # 14 completed at Boryspil and Lviv Airports on April 28th
- PTP conference and training workshops orchestrated on April 24-May 2 at the Lviv Regional Pediatric Center of Western Ukraine and at the Kyiv Endocrinology Institute.
- Phase III of pharmaceutical campaign launched
- Cargo coordination planning begins for August airlift #15
- Follow-up trip to Ukraine for monitoring purposes
- Additional training programs implemented by US specialists, depending on the availability of funding to cover travel expenses.



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**Subject: Grant # 110-0001-G-00-4026-00 Quarterly Report
Ending December 31, 1994**

ONCOLOGY TRAINING AND PROCUREMENT PROJECT

QUARTERLY REPORT

(Period September 21 -December 31, 1994)

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A. Cumulative expenditures and cost to complete projections

Table.

<u>Budget Line Item</u>	<u>USAID</u>	<u>CCRF Contribution</u>	<u>Total</u>
Commodities	100.00	917,873.46	917,973.46
Program Management	13,548.25	7,424.17	20,972.42
Training	0.00	0.00	0.00
Office Operations	0.00	7,500.00	7,500.00

B. Description of activities for this period 9/21-12/31/94

1. BACKGROUND

The CCRF Executive Committee has created a special Medical Advisory Council (MAC) to address the medical needs and questions regarding this oncology grant. Specifically, the procurement of oncological medicines, post-operative drugs, basic/miscellaneous medicines and surgical/hospital supplies, as well as the Physicians Training Program (PTP). Dr. Zenon Matkiwsky (President) has been elected to chair this council. Working members on this council include: Mr. Leonard Mazur, (Chairman of Cabot Laboratories, New York City), Dr. Ihor Sawczuk (Chief of Urology, Allen Pavillion, Columbia-Presbyterian Hospital); Dr. Daniel Petrylak (oncologist at Columbia-Presbyterian); Dr. Jim Oleske (oncologist, specialist in infectious diseases, New Jersey Medical School); Nadia Matkiwsky, Alex Kuzma and Ksenia Kyzyk. To date the CCRF Medical Advisory Council has held 10 strategy planning meetings and is scheduled to meet at least once every two weeks.

Ksenia Kyzyk has been designated this position as the Project Director and Alex Kuzma has been assigned half time as Assistant Executive Director. The rest of the individuals involved in the implementation of the Oncology Grant are CCRF volunteers and their time represents CCRF's in-kind contribution.

Based on its fact finding missions, needs analyses and direct communications with the directors of various medical centers in Ukraine, CCRF has identified two oncological illnesses: thyroid cancer and leukemia as being the focus of its aid for the purposes of this grant. Based on the latest statistics from the Ukrainian Ministry of Health and individual medical centers from within the Chornobyl region, there has been an 80 fold increase in thyroid cancer in children and a three-fold increase in children's leukemia since 1986.

Because of the expertise available at the Kyiv Institute of Endocrinology and Metabolic Studies, (KIEM) CCRF has decided to screen for and treat thyroid cancer at this center. Children will be screened from the Zhytomyr, Chernihiv, Kyiv and Chornobyl regions. Statistically these regions are identified as having the highest levels of radiation. Treatment will be primarily surgical and medical in form. The Kyiv Institute of Endocrinology informed CCRF that it treats scores of children annually for thyroid cancer, and the number of victims has been climbing each year since 1990.

Dr. Zenon Matkiwsky, Project Director, Ksenia Kyzyk and intern Lydia Potoczniak have met with the director of the KIEM, Dr. Mykola Tronko to plan the thyroid and PTP program.

The MAC also decided to screen for and treat leukemia through the Lviv Regional Specialized Pediatric Center of Western Ukraine (LRSPC). Given the advanced diagnostic capabilities of the clinical laboratory at the LRSPC, especially in the area of blood disorders and radiation-related cancers, and given the large number of doctors trained in Western oncological techniques, it is believed that an influx of specialized cancer medicine to this institution can have the greatest impact on the greatest number of children before the end of the grant period. Within the first quarter of this grant, (September-December 1994) the director of this clinical laboratory, Dr. Andrij Petrukh completed his second post-graduate training program at the University of Medicine and Dentistry of New Jersey (UMDNJ) as part of CCRF's Physician's Training Program. He is working closely with the MAC in planning the screening, distribution, administration and monitoring of leukemia treatment at the Lviv Pediatric Center. CCRF is in the process of refining its strategy for screening and treatment.

2. CCRF CONTRIBUTIONS

CCRF has obtained treatment protocols for leukemia and thyroid cancer with the aid of Ukrainian physicians at the Lviv Pediatric Center, the University of Pittsburgh Medical Center and the University of Texas Medical Center at Houston. To date, CCRF has been able to secure in-kind donations to more than meet its matching contribution requirement. These include \$1,000,000 dollars worth of miscellaneous medicines from various pharmaceutical companies across the United States. MAC members have entered into preliminary negotiations with Bristol Myers Squibb, Lederle Laboratories, Eli Lilly and Company, Adria Laboratories and other major producers of oncological medicines to secure supplies needed for this program.

Given the specificity of this oncological grant CCRF has selectively chosen post-operative drugs and miscellaneous medicines to be earmarked for this project.

Beyond specifically pursuing the procurement of medicines for the leukemia protocol with major pharmaceutical companies in the United States, CCRF also assisted Dr. Andrij Petrukh, (CCRF trainee at the New Jersey Medical School), to purchase diagnostic reagents which are essential for the proper screening of leukemia, lymphomas and other blood disorders. CCRF created a special memorial fund named after Dr. V. Hordynsky, the former Executive Vice-President of CCRF who was instrumental in overhauling and upgrading LRSPC's diagnostic laboratory. Through private donations raised this fall, the Fund has allocated over \$12,000 for the daily maintenance of critical diagnostic equipment (blood analyzers produced by Technicon, Coulter, Beckman, and Instrumentation Laboratories) and other necessary supplies which are crucial to the diagnostic component of our oncological program.

3. ON-SITE FIELD WORK IN UKRAINE

CCRF has sent a full-time intern to Ukraine for the duration of this oncological grant - Lydia Potoczniak. Ms. Potoczniak is the Fund's chief liaison in Ukraine for this grant. Over the last three months she has been researching and working out on-site strategies with the Lviv Pediatric Center of Western Ukraine for the leukemia treatment program. She travelled to Kyiv in December to initiate a similar process at the Kyiv Endocrinology Institute.

Ms. Potoczniak represented CCRF at the Second Congress of the International Organization - "Chornobyl Union" in December. This IOCU is key partner in CCRF's program as it is tracking the newest data about radiation related cancers in children and adults. In December Ms. Potoczniak briefed the USAID Kiev Mission staff about some of the progress made to date.

4. PHYSICIANS' TRAINING PROGRAM (PTP)

The Physician's Training component is being planned to take place at the two primary recipient institutions. CCRF has planned a 2 week training program in the United States for doctors from both medical centers prior to on-site training in Ukraine. In addition to this, CCRF is planning a Medical Conference in Kyiv this summer, which will address radiation related cancer issues and hospital development. Coordination of this event will be channelled through the Kyiv Institute of Endocrinology. All the major medical centers across Ukraine, especially pediatric hospitals will be invited to participate. Through Dr. Petrukh, CCRF has also made contact with the Ukrainian Association of Clinical Chemists, which staged nationwide conferences at the LvivRSPC last summer. Various U.S.-based doctors with specialties in oncology, endocrinology, hematology, radiology, surgery and pediatrics are being recruited for keynote speakers and leaders of training workshops. In this way CCRF plans to reach the maximum number of physicians who are struggling to save the lives of children suffering from cancer. On site details are being worked out in January during the President's and Project Director's trip to monitor field work in Ukraine.

Mr. Leonard Mazur, a member of CCRF's Medical Advisory Committee, and CCRF's chief pharmaceutical consultant has contacted several major pharmaceutical firms to solicit them as sponsors or underwriters of the summer conference. Top-level officers of Ronc-Poulenc Rohr, Eli Lilly and Bristol-Myers Squibb, among others are currently considering this request.

Physicians involved in the oncology program and the MAC have identified the need to procure thyroid scanners as an essential component of the screening and

Physicians' Training Program. Currently, the grant budget does not provide funding to cover the cost the scanner. In order for CCRF to adequately carry out the PTP and maintain its own standards it is seeking an in-kind donation of this equipment. This would be over and above CCRF's targeted in-kind contribution noted in the grant proposal. Through its own resources CCRF is also seeking in-kind donations of other medical equipment in order to maintain CCRF's standards for implementing the PTP.

5. ADMINISTRATION

Despite the unavailability of federal funds due to a delay in processing the reimbursement voucher at USAID's Paris or Moscow office (unknown), CCRF has moved forward in hiring an administrative assistant to assume the tasks formerly executed by grant manager Ksenia Kyzyk. The addition of an administrative assistant to the Fund's payroll, and other expenses have placed a significant strain on CCRF's budget, pending the arrival of USAID reimbursements. More importantly, CCRF will find it very difficult to go forward with purchases of expensive oncological medicines in the absence of federal funds allocated in the grant. Prospective vendors may require up-front payments and the Fund's pharmaceutical consultants worry that CCRF may be unable to capitalize on offers of large discounts which would greatly enhance the multiplier effect and the long-term impact of the grant. Within the first quarter, the Fund has achieved major successes in securing in-kind donations with no outlay of federal monies, but this cannot continue indefinitely. Several key medicines needed to complete the project, such as ELSPAR and vincristine, for the treatment of leukemia will almost certainly require a significant cash outlay.

6. CARGO MONITORING/TRACKING

CCRF has developed bilingual tracking forms and has drafted an implementation agreement for hospitals involved in the oncology project.

C. Progress toward achieving program objectives

(Reference: Program Description attached to Grant Schedule)

1) Improvement of survival rates:

CCRF's procurement of over \$200,000 dollars worth of methotrexate and leucovorin has dramatically improved the potential for saving the lives of children being treated for leukemia in Lviv and other medical centers.

2) Combatting infectious disease

a) CCRF has also secured highly effective antibiotics such as erythromycin and "Claforan" which are desperately needed to save children who are susceptible to life-threatening infections following surgery and chemotherapy treatments.

b) As noted above, Dr. Petrukh underwent an intensive post-graduate training program in immunology and infectious diseases under the supervision of some of the leading experts in the field: Dr. James Oleske and Tom Denny.

3) Procurement of post-operative drugs

a) A significant portion of the \$1 million dollars worth of basic medicine procured by the Fund this fall includes post-operative drugs which are necessary for speeding the recovery of children who have undergone surgery.

b) CCRF's Medical Advisory Committee has begun negotiating with Adria Laboratories, Schein Pharmaceuticals, and generic manufacturers to procure hormonal compounds needed for the treatment of children with thyroid cancer.

4) Achieving remission in leukemic children

The methotrexate and leucovorin to be shipped in January will substantially improve the targeted hospitals' capacity to achieve remission in a greater number of leukemia victims. CCRF Board member Dr. Mona Mikalsen is working with project staff to supplement this shipment with ELSPAR, asparigenase and oncovin to complete the treatment protocols which have been established.

5) Physicians' Training:

The progress made in this area has been outlined in detail on page 6 above.

D. Issues and problems

During this initial start up phase of the grant, a number of administrative issues and problems have arisen that must be addressed immediately.

1. In a memo to the Grant Officer we are requesting an adjustment to the financial plan by modifying the structure of our budget to include the following:

<u>BUDGET LINE ITEM</u>	<u>USAID</u>	<u>CCRF Contribution</u>
1. Commodities & Equipment	\$224,000	\$224,000
2. Program Management	76,000	48,000
3. Training	50,000	34,500
4. Office Operations	0	30,000

2. There was an apparent change in the designated Project Officer from Ann Aarness - to Patricia Liefert - Democracy Officer. This change was verbally declared by telephone in early November 1994 by Patricia Liefert, but no written notification has been received. Thus we are not exactly sure who our project officer is.

3. Verbally, Ms. Liefert levied additional reporting requirements upon us. This includes a monthly progress report requirement and itemized description of requested reimbursements, which is not required in the original grant.

4. The grants officer has been requested in writing to clarify as to whether CCRF needs to receive written from Tony Langston for donated medicines per Attachment 1 - Schedule, Section I, Paragraph 1.

5. The Controller has been requested in writing to clarify the status of late reimbursement vouchers. As of January 10, 1995 CCRF has submitted two reimbursement vouchers on October 31, 1994 and December 15, 1994. Reimbursement has not yet been received.

E. Status of scheduled actions

According to the approved time line CCRF has executed all of the scheduled program implementation tasks to date including:

1. September 1994: Grant approved and signed. Accomplished.
2. October-November 1994:
 - Strategy Caucus with Medical Advisory Council (MAC)
 - Initial negotiations with pharmaceutical companies
 - Trips to Kyiv and Lviv for final selection of partner hospitals

All of the above accomplished
3. December 1994: Preparation of Initial Shipment of equipment and supplies.
 - Preparation complete.
 - Shipment logistics in process with US State Department. Scheduled to arrive in Ukraine at the end of January.

F. Planned Actions for next Quarter

1. January 1995:
 - First team of MAC advisors travel to Ukraine
 - First shipment of medicines
 - Monitoring by CCRF MAC advisors, interns and Project Director
 - Planning logistics of PTP Conference