

COVICRIER

BULK RATE
Permit No. 17
Charlotte Amalie
Virgin Islands
Postage Paid



Form 3547 Requested

COLLEGE OF THE VIRGIN ISLANDS, CARIBBEAN RESEARCH INSTITUTE, ST. THOMAS, U.S.V.I. 00801

VOLUME IV, NUMBER 1

EDITED BY S.J. OLIVERIO

MARCH 1981

Water Resources Research Center

RESEARCH ON SOIL MOISTURE BEGINS

Dr. Michael J. Canoy, head of the Ecological Research Center (ERC), is doing a study funded by the Water Resources Research Center (WRRC), according to the Center's director, Dr. Richard D. Champney. An attempt is being made to correlate the amount of soil moisture present during certain seasons with the color and heat storage capabilities of surface vegetation. This will be done by taking aerial photographs of selected sites on St. Thomas and St. John at specific times and also by collecting data on the ground at the same sites. This will provide information on the soil moisture and amount of vegetative cover. The data and photographs will then be correlated.

MODEL ROOF PROJECT IS UNDERWAY ON ST. CROIX

Don Bullock, a consultant to the WRRC from St. Croix, is constructing model roofs in such a way that they can collect water for cistern storage when it rains and also distill fresh water from seawater on those days when it is not raining. It is anticipated that the higher cost of this type of roof will be offset by the decreased cost of cistern construction, since smaller cisterns will then be needed. The amount of distilled water to be expected and a complete cost analysis will result from the project.

COOPERATIVE WATER STUDY IN PROGRESS

For the next several months Kenneth Stevens of the U.S. Geological Survey (USGS) in San Juan will be working in St. Thomas collecting data on old wells and also testing new wells in order to gain a better perspective of the ground water resources on the island. In addition, rain water quality and rain infiltration rates will be tested so that recharge and runoff rates can be estimated more accurately. This work is being done as part of a cooperative program between the USGS, CVI and the V.I. Department of Public Works.

Ecological Research Center

ERC EXHIBITS MODEL STILL AT ANNUAL ST. CROIX FAIR

February 14-15 were the dates of the Eleventh Annual Agriculture and Food Fair of the Virgin Islands, held on St. Croix, jointly sponsored by the V.I. Department of Agriculture and the CVI Co-operative Extension Service. Dr. Michael J. Canoy, director of the Ecological Research Center (ERC), represented the Institute and exhibited a model alcohol fuel still which illustrated the production of alcohol fuel from waste crops and food. He explained the process of making this alternate type of fuel, including mashing, fermentation and distillation. He also outlined the benefits and economic feasibility of using alcohol fuel in the Virgin Islands.

VIERS IS STUDY SITE FOR STUDENT RESEARCH GROUPS

During the quarter students from Massachusetts, New York, Washington and Virginia, as well as from CVI, studied at the Virgin Islands Ecological Research Station (VIERS), operated by the ERC and located at Lameshur Bay on St. John. Their studies focused on tropical marine ecology, marine biology and oceanography. Overseeing the visiting groups was VIERS programs coordinator Lisa Henriques. Assisting her were Chris Chapman and Ginger Richardson. Revenue from the groups totaled approximately \$8,000 for their use of the St. John facility.

JACKSON COMPLETES REPORT ON ANGUILLA

"A Preliminary Management Strategy for the Utilization of the Critical Marine Resources of Anguilla" is the title of a study completed in March by Ivor Jackson, consultant and project leader. The research was undertaken through the Eastern Caribbean Natural Area Management Program (ECNAMP) as part of its Anguilla Resources Development Project, initiated in 1980.

Three areas developed in the study are: 1) the identification of critical marine areas to be managed as marine parks or protected areas, for objectives vital to fish production, charter boat tourism, SCUBA diving and snorkeling tourism, environmental awareness, culture, and endangered species; 2) development of a framework for managing commercial fishery resources; and 3) preparation of a preliminary management document which would seek to integrate the management of the critical marine resources of Anguilla.

Other publications resulting from the project are "Anguilla, Coral Reefs and the Marine Parks Potential" and "Management Planning for Anguilla's Fishing Industry." For further information, contact Ivor Jackson at the Caribbean Research Institute, (809) 774-9200, ext. 201.

Social Research Center

COMMON MARKET EVALUATION IS FINALIZED THIS QUARTER

Recently an evaluation was completed on the Eastern Caribbean Common Market. Collaborating on the report were Dr. Basil Ince of the Institute of International Relations, University of the West Indies (UWI), Dr. Eric St. Cyr of UWI's Department of Economics and Dr. S.B. Jones-Hendrickson, coordinator of the Social Research Center (SRC).

MARSH SCHEDULED TO
ATTEND NAIES MEETING

Minority Studies April 21-25 at New Mexico State University at Las Cruces. The subject of his presentation will be "A Socio-Historical Analysis of the Emancipation of 1848 and the Labor Revolt of 1878 in the Danish Virgin Islands." The conference is being sponsored by the National Association of Interdisciplinary Studies (NAIES). The themes for the event will be "Ethnicity and Human Rights" and "Ethnicity and Economics."

Dr. Clifton E. Marsh, CRI's assistant director, has been invited to present a paper at the Ninth Annual Conference on Ethnic and

SRC GEARING UP FOR
MAY CSA CONFERENCE

Studies Association (CSA), which will be hosted jointly by the College of the Virgin Islands and the V.I. Department of Education. The dates of the event, to be held on St. Thomas at the Virgin Isle Hotel, are May 27-30. "The Caribbean: An Agenda for the 1980's" is the theme. Twenty-four panels are being planned on a wide range of topics pertinent to the study of microstates, such as the Caribbean family, artistic, leisure and religious development, energy and the environment, population and socio-economic factors. As of March, 150 persons have registered for the conference. Most of the CSA's 375 members are expected to be in attendance.

Staff members at the Institute are actively working on the coordination of the upcoming Sixth Annual Conference of the Caribbean

The conference is getting substantial support from the local community, as well as from outside the U.S. Virgin Islands. Thus far, contributors include: CVI, CRI, the Consortium on Research Training (CORT), the Ford Foundation, Banco Popular of Puerto Rico, Rid-O-Pest Control of St. Thomas, Clapp and Mayne, management consultants in Puerto Rico, Cardow of St. Thomas and the V.I. Department of Commerce. Dr. S.B. Jones-Hendrickson is program chairman for the conference.

BLISS TO PRESENT
EDUCATION STUDY

Examinees to Use Partial Information in Taking Multiple Choice Tests." He used V.I. public and private school students in the study, which took approximately five months to complete. The results of this research will be presented by Dr. Bliss at the annual meeting of the American Education Research Association to be held in Los Angeles the week of April 13.

An education study has been completed by Dr. Leonard Bliss. It is entitled "An Empirical Test of a Strategy for Teaching

BLISS AND MARSH ARE
CORT GRANT RECIPIENTS

Training (CORT). Dr. Bliss used the grant to attend a grantsmanship training seminar, conducted by the Grantsmanship Institute of Los Angeles. The seminar was held in New York City on January 5-8.

Dr. Leonard Bliss, research associate, and Dr. Clifton E. Marsh, were recent recipients of grants from the Consortium on Research

Dr. Marsh received the CORT grant to publish a monograph entitled "A Socio-Historical Analysis of the Emancipation of 1848 and the Labor Revolt of 1878 in the Danish West Indies."

Administration

DIRECTOR ATTENDS WORKSHOP, SCHEDULES STAFF FORUMS

Dr. Norwell Harrigan, director of the Institute, attended a workshop in Atlanta in late January. The meeting was sponsored by the Consortium on Research Training (CORT). The agenda centered around finalizing the 1980-81 research program. Nine awards were approved by CORT for CVI personnel.

As part of its program to encourage the interchange of ideas among the professional staff of CRI, Dr. Harrigan has scheduled a series of monthly forums for the coming year.

CRI HOSTS VISITORS FROM THE MAINLAND

During the past three months several professionals working in various areas of research have called on the Institute's director. Wilbur Williams from the Research and Special Programs Administration of the U.S. Department of Transportation visited CRI to discuss the possibility of the Institute researching transportation programs.

Dr. Burton Fox of the Inter-regional Center and Dr. Frederick Harrison, head of the Department of Biology, Western Carolina University, came to explore the opportunities available to pursue joint research.

Roger Anderson of Marine Archaeological Ventures, Ltd. of Tortola, BVI met with Dr. Harrigan to discuss proposals for work being undertaken on the reefs of Anegada.

Dr. George Breathett of Bennett College and Dr. Alan Fisher of the University of Pittsburgh were representatives of their respective institutions at the inauguration ceremonies of CVI President Dr. Arthur Richards. While on campus they discussed ongoing and future relationships between Bennett College, Pitt and CRI.

Outreach Activities

INSTITUTE PARTICIPATES IN MARCH PUBLICATIONS EXHIBIT

During the inaugural ceremonies held March 13-16 for Dr. Arthur Richards, CVI's president, the Institute participated in a public exhibition held at the Ralph M. Paiewonsky Library on the St. Thomas Campus. A display was set up of publications from the Ecological Research Center, the Social Research Center, the Water Resources Research Center, as well as marine artifacts from the historic shipwreck, the H.M.S. Santa Monica. Stephanie Oliverio, special projects assistant, planned the CRI exhibit.