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

VOLUME III, NUMBER 3

RECEIVED SEPTEMBER 1979

## Administration

### KEAN NAMED CRI ACTING DIRECTOR

On July 1 Dr. Orville Kean, associate professor of mathematics and former ACE Fellow, at CVI, became acting director of the Institute in the absence of Dr. Norwell Harrigan, who is on a year's sabbatical leave. Dr. Kean will develop a plan for CRI to become a regional center for research and development within the next five years. Also, he plans to upgrade and expand efforts to have the Institute's MICROSTATE STUDIES series accepted as a legitimate field of study by regional and international funding agencies. As in the past, research pertinent to the Virgin Islands will be emphasized in research projects, conferences, workshops and lectures sponsored by CRI.

### BLISS AND REEDER JOIN SOCIAL RESEARCH STAFF

Two new staff members began assignments with the Institute in August. Dr. Leonard Bliss accepted a position as research associate in education; he is also assistant professor of education at the College. Dr. Bliss holds a Ph.D. in curriculum development and evaluation from Syracuse University. He has conducted research and taught at the State University of New York at Potsdam and the University of Maine. Dr. Bliss may be reached at 774-1252, ext. 236, Monday-Friday, 8:30 a.m. to noon.

Ms. Charlotte Reeder comes to St. Thomas from California State at Fresno, where she was assistant professor of economics. At CVI she is assistant professor of social sciences and at CRI is research associate specializing in development economics. Ms. Reeder earned both undergraduate and graduate degrees from the University of Illinois, Champagne/Urbana. In addition to teaching, she has been analyst and consultant for the National Science Foundation. Also, Ms. Reeder was part of a U.S. State Department study team that traveled to the Mid-East this summer to evaluate policy and economic aspects of that region. Ms. Reeder may be reached at CRI and in Room 7 of the new social sciences building, Quarters C, or by calling 774-1252, ext. 445.

## Social Research Center

### SRC REPRESENTED AT BARBADOS SEMINAR

The Caribbean Development Bank in Wildey, Barbados was the site of a Conference on Environmental Management and Economic Growth in September. In attendance was Dr. S.B. Jones-Hendrickson, coordinator of the Social Research Center (SRC). He delivered a paper on "Constraints to Economic Growth in Microstate Economies." The conference was sponsored by the United States Man and the Biosphere Program of the United Nations.

### ISER TO PUBLISH FINANCE BOOK

PUBLIC FINANCE AND MONETARY POLICY IN OPEN ECONOMIES: A CARIBBEAN PERSPECTIVE, a book recently completed by Dr. Jones-Hendrickson, will be published early next year by the Institute of Social and Economic Research (ISER) at the University of the West Indies in Kingston, Jamaica. The work was commissioned by the Regional Programme of Monetary Studies.

### JONES-HENDRICKSON ADDRESSES CONFERENCE

"Viability, Size and Political Autonomy" was the subject of a paper delivered to an international seminar by Dr. Jones-Hendrickson this quarter. The five-day International Conference on Integration and Cooperation in the Caribbean took place in Mexico City and was attended by 50 invited participants from around the Caribbean.

In his presentation Dr. Jones-Hendrickson stated that the viability of Microstate economies of the Caribbean has to be perceived as a journey which changes with varying political and economic conditions. "The people...have to be creators of circumstances not creatures of circumstances," he concluded.

## Ecological Research Center

### \$10,000 RECEIVED FOR ALCOHOL FUEL PLANT

In response to U.S. Department of Energy Program OCA-79-PS-001, the Ecological Research Center (ERC) submitted "A Proposal for a Small-Scale Alcohol Fuel Demonstration and Training Plant," prepared by Dr. Michael Canoy, ERC director. A \$10,000 grant was received from the federal government for this timely project.

Three main objectives are: 1) to produce a bench-scale plant for the production of alcohol fuel from farm wastes and garbage--such a plant being suitable for farms, small businesses and communities; 2) to organize nine three-day workshops to train farmers and others to construct and operate the plant; 3) to publish a manual detailing construction and operation of the plant and evaluating experience gained. Involved in the year-long project will be other departments of CVI. This grant study could pave the way to large-scale resource reclamation and fuel research in the Virgin Islands.

**OLIVERIO ATTENDS  
ENERGY MEETINGS**

Stephanie Oliverio, CRI special projects assistant, attended two meetings on energy in September. She visited the Tennessee Energy Authority in Nashville to have a final discussion on their Energy Extension Service (EES) two-year pilot program. Tennessee was one of ten states to receive federal funds last year to set up an EES, a program designed to fit the needs of small energy consumers such as residents and small businesses. Prior to receiving major EES funding of its own, the Virgin Islands EES was assigned by the Department of Energy to monitor Tennessee during the pilot program.

Ms. Oliverio also visited the Southern Solar Energy Center (SSEC) in Atlanta, a clearinghouse of information on the emerging solar industry. SSEC is geared to the commercialization of solar energy and assuring the quality of solar equipment on the market. This agency will be in direct contact with EES in the southern states and also the Virgin Islands for the purpose of information sharing.

**FEDERAL PROPOSALS  
PREPARED BY ERC**

Two studies for the coming year have been planned by Dr. Michael Canoy and submitted as proposals to federal agencies. The Environmental Protection Agency was asked to fund an evaluation study of the hazards of chitin synthesis inhibitor pesticides. The Office of Sea Grant received a proposal on the ecology of whelks. In addition, a cooperative proposal with the University of Maryland went to Sea Grant to fund a study to develop methods for evaluating the nutritional state of fish larvae. Research of this type has significant implications for V.I. fisheries.

## **Water Resources Research Center**

**TECHNICAL REPORT #4  
AVAILABLE AT WRRC**

"Sequential Use of Reclaimed Wastewater Destined for Aquifer Recharge" is the title of a report published this quarter by the Water Resources Research Center (WRRC). The 24-page study was partially funded by a grant from the U.S. Department of the Interior, Office of Water Research and Technology. The purpose of the project was to investigate reclaimed wastewater as an additional source of water on St. Croix.

The report states that there was a significant increase in the quantity of water in the aquifers as well as an upgrading in the quality of the effluent. In addition, an economic analysis showed the cost of recharge/recovery operations to be significantly less than the cost of desalination of sea water. Copies of the report may be obtained by calling 774-1252, ext. 250/251 or by writing the WRRC.

**PEEBLES PARTICIPATES  
IN NWSIA WORKSHOP**

Dr. Roger Peebles, director of the WRRC, attended a workshop on "The Role of Desalting Technologies in Water Supply, Wastewater Reuse and Industrial Applications" in Virginia Beach on July 19-20. The event was sponsored by the National Water Supply Improvement Association.

**WATER MANAGEMENT  
STUDY FUNDED BY OWRT**

A 13-month research project, "Water Management Under Conditions of Extreme Scarcity: The U.S. Virgin Islands," was accepted for funding by the Office of Water Research and Technology. It will be carried out by the Boston engineering firm of Coffin and Richardson in cooperation with the WRRC.

A major component of the study will be a survey to identify how various sectors of the community value and use fresh water for a variety of purposes. The study will be carried out in close coordination with the current efforts of other local and federal agencies involved with water. Anyone wishing to contribute to the survey as respondents are urged to contact the WRRC by mail or by phone (the number is listed on page 3).

**SMITH TRAVELS TO  
NEW ORLEANS CONFAB**

Henry Smith, research associate, attended the Seventh Annual Conference of the National Water Supply Improvement Association (NWSIA) in New Orleans September 16-20. NWSIA is a non-profit organization dedicated to the improvement of the world's water supplies through desalting, wastewater reclamation and other water sciences. Several topics covered at the eight-session meeting were relevant to the Virgin Islands, particularly "Domestic Water Supply Systems" and "Water Reuse Systems."

## **Outreach Activities**

**NATIONAL HONORS  
AWARDED TO MARSH**

Dr. Clifton E. Marsh, CRI assistant director, has been the recipient of a number of professional awards this quarter. He is included in the 1979 edition of OUTSTANDING YOUNG MEN OF AMERICA," sponsored by the U.S. Jaycees. Dr. Marsh was chosen to receive a National Endowment of Humanities Fellowship and was selected for membership on the 1979 Eastern Sociological Societies Papers Committee.

Locally, he is an advisory board member and co-leader of the educational task force for the project "Emancipation: A Second Look," funded by a \$108,000 grant from the National Endowment of Humanities. The project is headed by Dr. Henry Chang, director of the V.I. Bureau of Libraries, Museums and Archaeological Services. Dr. Marsh is also a free-lance writer for the *Virgin Islander*. His article, "Black Muslims in the Virgin Islands," appears in the magazine's September/October issue. In addition, Marsh is serving on the V.I. Olympic Committee and is vice-president of the V.I. Weightlifting Federation.

**MARSH INTERVIEWS  
ISLAMIC LEADER**

In July Dr. Marsh traveled to the Chicago headquarters of the World Community of Islam in the West to interview the group's chief minister, Emam. Wallace D. Muhammad. The religious group (formerly called the Nation of Islam) has a membership of 500,000 throughout the world. The 40 pages of information received by Marsh during the interview will be incorporated into his book, FROM BLACK MUSLIMS TO MUSLIMS: THE TRANSITION FROM SEPARATISM TO ISLAM, 1930-1979.