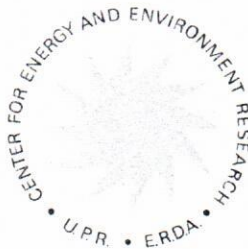


STAFF RESUMES  
May 1977



CENTER FOR ENERGY AND ENVIRONMENT RESEARCH  
FORMERLY PUERTO RICO NUCLEAR CENTER: UNIVERSITY OF PUERTO RICO

CEER - 3

STAFF RESUMÉS  
May 1977



CENTER FOR ENERGY AND ENVIRONMENT RESEARCH  
FORMERLY PUERTO RICO NUCLEAR CENTER: UNIVERSITY OF PUERTO RICO

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ACTIVITY AND POSITION

Director's Office	
Ismael Almodóvar	Director .....
Donald S. Sasscer	Actg. Assoc. Director, Chief, Energy Research.
Modesto Iriarte	Consultant .....
Training Program	
Frederick E. Rushford	Head, Educational Officer .....
Human Ecology	
William R. Jobin	Head, Senior Scientist I .....
Raymond A. Brown	Senior Scientist I .....
Cruz María Nazario	Research Associate III .....
Marine Ecology	
Juan G. González	Head, Senior Scientist I .....
Gary C. Goldman	Scientist I .....
José M. López-Díaz	Scientist I .....
Joseph J. Kimmel	Research Associate III .....
Vance P. Vicente	Research Associate III .....
Rosa Julia Santiago	Research Associate II .....
Hilda Rojas	Research Associate II .....
Terrestrial Ecology	
Richard G. Clements	Head and Chief, Environmental Research .....
Arthur McB. Block	Scientist II .....
William R. Bhajan	Scientist I .....
Elvira Cuevas-Viera	Scientific Associate III .....
Brent Holben	Scientific Associate III .....
Radiation Oncology	
Victor A. Marcial	Head and Chief, Bio-Medical Research.....

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Medical Physics			
José C. Pacheco Díaz	Head, Research Associate III .....		25
Health and Safety			
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Nuclear Technology			
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Materials Science			
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Fossil Fuel			
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Decontamination Study			
Richard Brown-Campos	Scientist II .....		5
Tropical Agro-Sciences			
Francis K.S. Koo	Head, Senior Scientist I .....		20
José Cuevas-Ruiz	Scientist I .....		8



SOCIETY MEMBER-  
SHIPS

- : American Chemical Society, Washington, D. C.
- American Nuclear Society, Washington, D. C.
- New York Academy of Sciences, New York, N. Y.
- American Association for the Advancement of Science,  
Washington, D. C.
- American Institute of Chemists, New York, N.Y.
- Chemists Association, Puerto Rico
- Academy of Arts and Sciences, Puerto Rico
- Science Teachers Association, Puerto Rico
- Society of the Sigma Xi
- Phi Kappa Phi Honorary Society

PUBLICATIONS

: 15



## RESUMÉ

NAME : William Rudolph Bhajan

AGE : 40

DEGREES : B.A., Inter-American University,  
San Germán, Puerto Rico,  
1962, Biology

M. Sc., Michigan State University,  
E. Lansing, Michigan, 1966, Ecology

Ph.D., University of Waterloo,  
Ontario, Canada, 1970, Ecology.

PROFESSIONAL  
POSITIONS HELD :

1975 - Present	- Limnologist, CEER
1973 - 1975	- Ecology Consultant, Environmental Research & Applications, Caribtec Labs.
1973 - 1975	- Ecology Professor, World University, Hato Rey, Puerto Rico
1973 - 1975	- Ecology External Examiner, University of Guyana, Georgetown, Guyana.
1971 - 1975	- Assistant Professor, Inter-American University, Hato Rey, Puerto Rico
1970 - 1971	- Water Pollution Ecologist, Secretary, Dept. of Health, San Juan, Puerto Rico
1966 - 1970	- Teaching and Research in Fresh Water Ecology, University of Waterloo, Ontario, Canada.
1964 - 1966	- Teaching and Research in Ecology, Michigan State University, E. Lansing, Michigan.
Summer 1964	- Research in Terrestrial Ecology, Dr. H. T. Odum, Puerto Rico Nuclear Center

(Cont.)

- 1962 - 1964 - Instructor (Hato Rey & Barranquitas Ext. Centers)  
Inter-American University,  
San Germán, Puerto Rico.
- 1961 - 1962 - Laboratory Assistant,  
Inter-American University,  
San Germán, Puerto Rico.
- 1952 - 1959 - Elementary School Teacher,  
Department of Education,  
Georgetown, Guyana.

PROFESSIONAL  
MEMBERSHIP:

Beta Beta Beta Biological Honor Society  
Puerto Rico Water Pollution Control Association  
International Water Resources Association

PUBLICATIONS:

## RESUME

NAME : Arthur McB. Block

AGE : 39

DEGREES : Bachelor in Arts, Cornell University  
Ithaca, N. Y. - 1961 - Chemistry and Physics

Ph.D. - Rutgers University,  
New Brunswick, N. J., 1967 - Physical Chemistry

PROFESSIONAL  
POSITIONS HELD :

1975 - Present - Scientist II CEER

1973 - 1975 - Scientist I PRNC

1968 - 1972 - Assistant Prof., U.P.R. -  
Rio Piedras - Chemistry

1967 - 1968 - Lecturer, U.P.R. -  
Rio Piedras - Chemistry

1961 - 1967 - Instructor - Rutgers University

1964 - 1965 - Chemist - Johnson & Johnson Corp.

1963 - 1964 - Chemist - Merck & Co. Inc.

OTHER  
EXPERIENCE:

1976 - Proposal Reviewer, U. S. Environmental  
Protection Agency

1975 - Referee, Journal of Physical Chemistry

PROFESSIONAL  
MEMBERSHIP:

Puerto Rico Society of Microbiologists; American Men & Women of  
Science; American Chemical Society/ Puerto Rico Section: Elections Committee  
Chairman 1975, Secretary 1976, Chairman-elect 1977; Sigma Xi, San Juan Club;  
International Society of Quantum Biologists; Association of Southeastern Biologists;  
Colgate-Palmolive Research Fellow (1964-1965).

PUBLICATIONS : 23

## RESUME

NAME : Raymond A. Brown

AGE : 57

DEGREES : Ph.D. - Physical Chemistry -  
California Institute of Technology (1949)  
M.S., Physical Chemistry  
California Institute of Technology (1947)  
B.S., Chemistry  
Wagner Lutheran College, Staten Island, N.Y. (1941)

PROFESSIONAL  
POSITIONS HELD :

1968 - Present Senior Scientist I, PRNC and CEER

1963 - 1968 Biologist, Radioimmunity group, Biology Division.  
ORNL Oak Ridge

1958 - 1973 Associate Member, Wistar Institute  
Philadelphia, Pa.

1957 - 1958 Visiting Scientist, Venezuelan  
Institute of Science, Caracas Venezuela

1951 - 1957 Research Scientist, Virus Laboratory  
Lederle Lab, Pearl River, N. Y.

1949 - 1951 N.I.H. Post-doctoral fellow

AREAS OF INTEREST : Immunology, Physical Biochemistry

SOCIETY MEMBER-  
SHIPS :

Fellow, N.Y. Academy of Science, Sigma Xi,  
Puerto Rico Society of Microbiologists

PUBLICATIONS : 65

## RESUME

NAME : Brown Campos, Richard  
 AGE : 46  
 DEGREES : M.S., Nuclear Technology, Univ. of P. R. (1962)  
 B.S., Mechanical Engineering, Univ. of P. R. (1953)

PROFESSIONAL POSITIONS HELD :

Jan. 77 to Present : Head, Decontamination Proj. & Assoc. Prof. Mech. Eng'g.  
 July 75-Jan. 77 : Acting Assoc. Dir., CEER & Head Reactor Div.  
 1968-1975 : Head, Reactor Div., Scientist II, PRNC  
 1959-1968 : Reactor Supervisor, PRNC; Instructor, Mechanical Eng'g.  
 1960-1965 : Dept., RUM-UPR  
 1958-1959 : Reactor Sup. Trainee, PRNC, RUM-UPR  
 1957-1958 : Instructor, Dept. of Physics, RUM-UPR  
 1955-1957 : Field Engineer, Puerto Rico Cement Corp., Ponce, P. R.

OTHER EXPERIENCE :

1973 : Nuclear Power Reactor Safety Course, M.I.T. (Summer)  
 1961 : Summer Course in Reactor Experiments, Gainesville, Fla.  
 1958-59 : ORNL Reactor Supervisor Training Course  
 1958 : ORINS Radioisotope Training Course (Summer)

AREAS OF INTEREST : Nuclear

SOCIETY MEMBERSHIPS, HONORS : College of Engineers, Architects and Surveyors of P. R.  
 American Nuclear Society  
 Federation of American Scientists

PUBLICATIONS : 5

## RESUME

NAME : Jorge Chiriboga

AGE : 56

DEGREES : M.D., University of San Marcos, School of Medicine  
Lima, Perú (1948)

B.M., University of San Marcos, School of Medicine  
Lima, Perú (1945)

B.S., University of San Marcos, School of Sciences  
Lima, Perú (1941)

PROFESSIONAL  
POSITIONS HELD:

1966 - Present Senior Scientist II, Puerto Rico Nuclear Center  
(now CEER)

1977 - Present Assistant Secretary of Health for Environmental  
Health Programs, Department of Health, Commonwealth  
of Puerto Rico

1976 - Present Consultant to Catholic University of Puerto Rico  
on establishment of a new School of Medicine

1965 - Present Consultant to the Peruvian Atomic Energy Commission

1966 - 1971 Assistant Director for Scientific Programs, PRNC  
and Head, Biomedical Division, PRNC

1959 - 1966 Associate Professor, University of Tennessee  
AEC Agricultural Research Laboratory, Oak Ridge

1957 - 1959 Head, Department of Biochemistry, School of Medicine  
Arequipa, Perú.

1957 - 1959 Organizer and Dean, School of Medicine  
Arequipa, Perú

1956 - 1957 Organizer, Head of Graduate Program  
School of Agriculture, La Molina, Lima, Perú

1954 - 1957 Head, Department of Biochemistry, School of Agriculture,  
La Molina, Lima, Perú.

(Cont.)

1952 - 1953 Fellowship of Biochemical Institute (Professor Luis F. Leloir), Buenos Aires, Argentina.

1949 - 1951 Fellowship, Cultural Commission of Argentina

1945 - 1948 Research Associate, Public Health Ministry, Lima, Perú

1942 - 1945 Instructor in Pathology, School of Medicine University of San Marcos, Lima, Perú

AREAS OF INTEREST : Biochemistry, Environmental Health

SOCIETY MEMBERSHIPS, HONORS :

Member of the "Sociedad Argentina de Patología y Enfermedades Infecciosas" - 1950. Member of the "Sociedad Argentina de Dermatosifilología" - 1951. Member of the "Sociedad Peruana de Anatomía Patológica" - 1957. Member of the "Directorio de la Sociedad Química" - Perú - 1954-58. Member of the American Chemical Society, U.S.A., 1953. Member of the "Sociedad Latinoamericana de Nutrición" - 1967. Member of the Division of Biological Chemistry of the American Chemical Society, 1961, U. S. A. Member of the Tissue Culture Association, 1966. Member of the New York Academy of Sciences, 1967. Member of the American Society of Tropical Medicine & Hygiene, July, 1968. Member of the Advisory Committee of COLAB (Comité Latinoamericano de Biología, 1968). Member Commission of 4 persons appointed by OAS to establish new policy on Nuclear Energy development in Latin America, 1972.

Honorary Citizen of the Tennessee State - 1963.

Honorary Member of the "Asociación Venezolana para el Avance de la Ciencia", 1966.

Executive Committee Member of the American Chemical Society, Puerto Rico Section, 1968.

PUBLICATIONS :

RESUME

NAME : Richard G. Clements

AGE : 46

DEGREES : B.S. 1956, Purdue University, Soils  
 Ph.D. 1966, University of Georgia,  
 Soils, Bio-chemistry Botany

PROFESSIONAL POSITIONS HELD :

- 1976 to Present - Chief, Environmental Sciences Division,  
Center for Energy and Environment Research
- 1969 to Present - Head, Terrestrial Ecology Program,  
Center for Energy and Environment Research
- 1968 - 1969 - Research Associate, Institute of Ecology,  
Univ. of Georgia. P.I. in IBP studies at  
Coweeta, N.C.
- 1966 - 1968 - Research Associate, Institute of Ecology,  
Univ. of Georgia. Field Director of  
Terrestrial Studies in Panama and Colombia  
in conjunction with Interoceanic Canal  
Studies.
- 1963 - 1966 - Research Assistant, Dept. of Agronomy,  
University of Georgia. Graduate studies.
- 1961 - 1963 - Agronomist, Standard Fruit & Steamship  
Company, La Ceiba, Honduras.
- 1958 - 1961 - Head, Quality Control Department,  
Standard Fruit & Steamship Company  
La Ceiba, Honduras
- 1956 - 1958 - Soil Scientist, Dept. of Tropical Research,  
Standard Fruit Company, La Ceiba, Honduras

PROFESSIONAL SOCIETIES

: American Society of Agronomy  
 Sigma Xi



Association of Southeastern Biologists  
Association of Tropical Biology  
Ecological Society of America  
American Institute of Biological Sciences  
American Chemical Society

AREAS OF  
INTEREST:

Soil-Plant-Water Relationships, Mineral  
Cycling

PUBLICATIONS:

20

## RESUME

NAME : José Cuevas Ruiz  
 AGE : 45  
 DEGREES : M. S. Radiation Biology (Biology)  
 UPR, Mayaguez (1966)  
 B. S. Agriculture  
 UPR, Mayaguez (1961)

PROFESSIONAL POSITIONS HELD :

1976 to Present : Scientist, Tropical Agro-Science Div.  
 Center for Energy & Environment Research  
 Mayaguez, Puerto Rico

1972 - 1975 : Senior Associate, A B S  
 Puerto Rico Nuclear Center  
 Mayaguez, Puerto Rico

1966 - 1971 : Research Associate, A B S  
 Puerto Rico Nuclear Center  
 Mayaguez, Puerto Rico

1961 - 1965 : Research Assistant, A B S  
 Puerto Rico Nuclear Center  
 Mayaguez, Puerto Rico

OTHER EXPERIENCE :

1968 to Present : Assistant Professor of Horticulture,  
 RUM Ad-honorem

1968 : Lecturer & Visiting Scientist at Quito, Ecuador  
 and ICAITI, Guatemala for "Atoms in Action  
 Program."

AREAS OF INTEREST : Radiation Biology Food Science

SOCIETY MEMBERSHIPS : Colegio de Agrónomos de Puerto Rico  
 Sociedad Puertorriqueña de Ciencias Agrícolas  
 Caribbean Food Crops Society  
 Gamma Sigma Delta  
 Institute of Food Technologists  
 Beta Beta Beta

PUBLICATIONS : 17

## RESUME

NAME : Elvira Cuevas Viera  
 AGE : 26  
 DEGREES : Bachelor in Science, U.P.R.  
 December, 1971 Biology  
 Master in Science, U.P.R.  
 May, 1976 Biology

PROFESSIONAL  
POSITIONS HELD :

1976 - Present Scientific Associate III - CEER  
 1975 - 1976 - Scientific Associate III - PRNC  
 1972 - 1975 - Graduate Research Assistant - PRNC  
 1970 - 1972 - Teaching Assistant - U.P.R.  
 Summer, 1972 - Division of Solid Waste, Environmental  
 Quality Board.

PROFESSIONAL  
MEMBERSHIP :

Beta, Beta, Beta Biological Honorary Society  
 American Institute of Biological Sciences

## PUBLICATIONS :

2

Name: Wilhelm Godschalk

Age: 45

Degree: Ph.D., Biochemistry, University of Leyden, The Netherlands (1964)

Professional positions held:

- 1977-present      Research Scientist, P.R. Dept. of Health, Div. Environmental Health
- 1977-present      Senior Scientist I, Center for Energy & Environment Research, operated by U.P.R. (part time)
- 1972-1975          Member Committee on Graduate Studies, U.P.R. Medical Sciences Campus
- 1972-1975          Associate Professor, Dept. of Biochemistry & Nutrition, U.P.R. School of Medicine
- 1968-1972          Assistant Professor, Dept. of Biochemistry, University of Virginia School of Medicine
- 1965-1968          Instructor, Dept. of Biochemistry, University of Virginia School of Medicine
- 1965-1968          Research Associate, Dept. of Physics, University of Virginia
- 1964                  Research Associate, Dept. of Biochemistry, University of Leyden, The Netherlands
- 1963-1964          Chief Research Assistant, Dept. of Biochemistry, University of Leyden, The Netherlands
- 1961-1963          Research & Teaching Assistant, Dept. of Biochemistry, Univ. of Leyden, The Netherlands
- 1958-1959          Research & Teaching Assistant, Dept. of Inorganic & Physical Chemistry, University of Leyden, The Netherlands
- 1956-1964          Control Officer, Dutch Public Health Service, Div. Special Regulations Oils & Fats

Areas of interest: Chemical carcinogenesis, viruses, protein chemistry, mathematical modeling, data evaluation by computer, analysis of air and water pollutants

Societies, honors: Biophysical Society, American Chemical Society, Sigma Xi  
Lecturer ad honorem U.P.R. School of dentistry, 1972-74

Publications: 18

## RESUME

NAME : Gary C. Goldman

AGE : 36

DEGREES : Ph. D., Physical Oceanography  
University of Michigan, Ann Arbor (1973)  
M. S., Oceanography  
University of Michigan, Ann Arbor (1970)  
B. S., Mathematics, Physics  
Bowling Green State University (1962)

PROFESSIONAL POSITIONS HELD :

December 1975 - Present : Project Head/Research Oceanographer  
Marine Ecology Division, CEER  
Mayaguez, P. R.

May 1976 - August 1976 : Acting Head  
Marine Ecology Division, CEER  
Mayaguez, P. R.

October 1974 - December 1974 : Acting Project Director/Research Oceanographer  
Department of Natural Resources  
University of Michigan

January 1974 - June 1975 : Assistant Research Oceanographer  
Earth Technology Resources Division  
Environmental Research Institute of Michigan  
Ann Arbor, Michigan

January 1970 - December 1973 : Research Oceanographer/Teaching Fellow  
Dept. of Atmos. and Oceano. Science  
University of Michigan

1963 - 1969 : Experimental Physicist  
Inst. Research Division, N.A.S.A.  
Lewis Res. Center, Cleveland

AREAS OF INTEREST : Coastal Circulation; Air-Sea Interaction

SOCIETY MEMBERSHIPS, HONORS : National Physics Honorary  
National Mathematics Honorary  
Marine Technology Society  
Institute of Environmental Science  
American Assoc. for the Advancement of Science  
American Geophysical Union

PUBLICATIONS : 15 - 20

## RESUME

NAME : Santiago F. Gómez

AGE : 48

DEGREES : M.S., Physics  
Catholic University of America, Washington, D.C. (1962)  
M.S., Radiological Health  
University of Puerto Rico (1973)  
B.S., Science  
Instituto De La Salle, Bogotá, Colombia (1958)

PROFESSIONAL POSITIONS HELD :

July - Present Senior Associate, Health and Safety  
Division, CEER (formerly PRNC)

September  
1974 - Present Radiological Safety Officer  
Veterans Administration Hospital, San Juan  
(assigned by CEER)

8-73 - 6-74 Professor of Physics, Universidad  
Industrial de Santander, Bucaramanga,  
Colombia

1-74 - 6-74 Deputy Director, Air Quality Control  
Program, UIS & Western Kentucky  
University, Bucaramanga, Colombia

10-73 - 12-73 Lecturer, School of Medicine  
Universidad Industrial de Santander (UIS)

1-72 - 7-72 Research Associate, PRNC  
Mayaguez, Puerto Rico

1971 - 1972 Coordinator of Physics Program,  
Universidad Industrial de Santander

1966 - 1971 Associate Professor of Physics  
Universidad Industrial de Santander

AREAS OF INTEREST : Physics, Radiological Health, Health and Safety

(Cont.)

SOCIETY MEMBER-  
SHIPS, HONORS

:

Puerto Rico Chapter, Health Physics Society  
American Association of Physicists in Medicine  
Radiological Science Associates, Puerto Rico  
Nuclear Medicine Society of Puerto Rico

PUBLICATIONS

:

9

## RESUMÉ

NAME : Juan G. González  
 AGE : 44  
 DEGREES : Ph. D., Biological Oceanography  
 University of Rhode Island, Kingston (1973)  
 M.S., Biological Oceanography  
 Texas A&M University, College Station (1957)  
 B.S., Zoology  
 University of Puerto Rico, Mayaguez (1955)

PROFESSIONAL  
 POSITIONS  
 HELD :

1976 - Present      Scientist I  
                             Head, Marine Ecology Division, CEER

1969 - 1976        Aquatic Biologist  
                             Environmental Research Laboratory  
                             Narragansett, R.I.

1957 - 1969        Professor, Marine Sciences  
                             University of Puerto Rico

OTHER  
 EXPERIENCE : Teach Science, Department of Education  
                             Commonwealth of Puerto Rico

AREAS OF INTEREST: Plankton, Physiology and Taxonomy  
                             Primary Productivity  
                             Polluting effects in the marine environment

SOCIETY MEMBER-  
 SHIPS : American Men and Women of Science  
                             Leaders in American Science

PUBLICATIONS : 15



## RESUME

NAME : Brent Holben

AGE : 26

DEGREES : B. S. University of Idaho, 1972, Soils  
M. S. Colorado State University, Colorado, 1975.  
Bioclimatology.

PROFESSIONAL  
POSITIONS HELD :

1975 - Present Scientific Associate III - CEER

PROFESSIONAL  
SOCIETIES :

American Meteorological Society  
Sigma Xi, Colorado

PUBLICATIONS :

0

## RESUME

NAME : Modesto Iriarte, Jr.

AGE : 53

DEGREES : Ph.D., Nuclear Engineering  
University of Michigan (1958)  
M.S., Electrical Engineering  
Texas A & M, (1949)  
B.S., Civil Engineering  
University of Puerto Rico (1951)  
B.S., Electrical Engineering  
University of Puerto Rico (1945)

PROFESSIONAL  
POSITIONS HELD :

1976 - Present Consultant to Center for Energy and  
Environment Research

1965 - 1975 Acting Executive Director, Puerto Rico  
Water Resources Authority (PRWRA various occasions)

1965 - 1975 Assistant Executive Director, PRWRA,  
Electrical Planning Research and Construction

Director, 4 Divisions: Electrical Planning and  
Research, Nuclear and Environmental,  
Power Design Construction, Engineering and  
Construction.

1960 - 1965 Senior Electrical and Nuclear Power Engineer,  
PRWRA.

1959 - 1960 Staff Engineer, General Nuclear Corp., for  
Design of PRWRA BONUS Nuclear Plant.

1958 - 1959 Electrical Planning Engineer, PRWRA

1954 - 1955 Load Dispatcher Superintendent, PRWRA

1951 - 1954 Electrical Design Engineer, PRWRA

1949 - 1951 Assistant Professor, Electrical Engineering  
University of Puerto Rico, Mayaguez

1945 - 1949 Instructor, Electrical Engineering,  
University of Puerto Rico, Mayaguez

(Cont.)

AREAS OF INTEREST : Electrical Engineering, Nuclear Engineering,  
Electrical Power Transmission

SOCIETY MEMBER-  
SHIPS, HONORS :

Member, American Institute of Electrical and  
Electronic Engineers  
Member, American Nuclear Society  
Member, Sociedad Interamericana de Planificación  
Member, Colegio de Ingenieros, Arquitectos y  
Agrimensores de Puerto Rico  
Member, Puerto Rico Association of Electrical  
Engineers  
Appointed by U.S. Secretary of the Interior to a  
U.S. State Department Electric Power Team to  
review and exchange information with the electric  
power industry of West Germany in November 1967.  
Deputy Director, Defense Electric Power Adminis-  
tration, Power Area 5, 1970 to 1975 - appointed by  
U. S. Secretary of the Interior.

PUBLICATIONS :

## RESUME

NAME : Nimia E. Irizarry  
 AGE: : 32  
 DEGREES : M.S. Radiological Health  
 University of Puerto Rico  
 School of Public Health at the Medical Sciences Campus (1973)  
 B.S., Zoology  
 University of Puerto Rico, Mayaguez Campus (1966)

PROFESSIONAL  
 POSITIONS  
 HELD :

January 1976  
 Present Senior Associate  
 Health & Safety Division, CEER  
 Mayaguez, P.R.

1973 - 1976 Scientific Associate II  
 Health & Safety Division, CEER  
 Mayaguez, P.R.

1966 - 1973 Research Assistant III  
 Marine Biology  
 Mayaguez, P.R.

AREAS OF  
 INTEREST : Health Physics, Industrial Safety

PUBLICATIONS : 1

## RESUMÉ

17

NAME : William R. Jobin

AGE : 38

DEGREES : S.B., Civil Eng.  
M.I.T. (1959)  
S.M., Sanitary Eng.  
M.I.T. (1961)  
Sc.D.,  
Harvard Tropical Public Health (1966)

PROFESSIONAL POSITIONS HELD :

1975 - Present Head of Human Ecology - CEER

1972 - 1975 Consulting Engineer, International-Schistosomiasis and Water Pollution.

1969 - 1972 Sanitary Engineer - State of Mass. - Field Surveys on Water Pollution.

1968 - 1969 Research Associate, M.I.T. - HYDRODYNAMICS

1961-63, 66-68 Assistant Chief - USPHS Lab. in San Juan - SCHISTOSOMIASIS

OTHER EXPERIENCE :

Member World Health Organization Expert Committee on Schistosomiasis.

Consultant to World Bank, Clark Foundation, U. S. A. I. D., PAHO, U.N.E.P., W.H.O., USPHS, Nobel Foundation, N.I.H., and private firms on Schistosomiasis in Mauritania, Mali, Senegal, Ghana, Swaziland, Rhodesia, Brazil, Venezuela and Caribbean Islands.

AREAS OF INTEREST : Environmental Health, Schistosomiasis

SOCIETY MEMBERSHIPS :

American Society of Tropical Medicine and Hygiene.

PUBLICATIONS : 22

## CURRICULUM VITAE

Mortimer I. Kay

- NAME : Mortimer I. Kay
- AGE : 46
- DEGREES : Ph.D. (Phys. Chem.) University of Connecticut - 1957  
M.S. (Phys. Chem.) Purdue University - 1953  
B.A. (Chemistry) Brooklyn College, New York - 1952
- PROFESSIONAL POSITIONS HELD :
- Sept. 1975 Present : Head, Materials Science Division
- 1964 - Present : Head, Neutron Diffraction Program (AEC, 64-72; NSF, 73-77)
- 1962-1964 : Research Associate Professor of Chemistry, Engineering Experiment Station, Georgia Institute of Technology.
- 1960-1962 : Solid State Physicist, NASA.
- 1959-1960 : Post-Doctoral Fellow, Royal Norwegian Council for Scientific and Industrial Research, Institute for Atomenergi, Kjeller, Norway.
- 1957-1959 : Research Associate and Visiting Associate Physicist, Penn State University and Brookhaven National Lab.
- 1956-1957 : Research Assistant in Crystallography, University of Connecticut
- 1953-1956 : Graduate Assistant, University of Connecticut.  
Graduate Assistant, Purdue University.
- AREAS OF INTEREST : Crystal & Molecular Structure, Thermal Motion, Correlation with Electrical Properties of Materials.
- SOCIETY MEMBERSHIPS, HONORS :
- 1959-1960 : American Chemical Soc., American Physical Soc., American Crystallographic Assn., American Assn. Adv. Sci., Society of Sigma Xi.
- 1959-1960 : NTNF Post Doctoral Fellowship-Kjeller, Norway; Fulbright Travel Grant.
- 1976 : Invited Talk to American Crystallographic Assn., Clemson, S.C.
- 1977 : Invited Lecture to Am. Assn. Physics Teachers, San Juan, P.R.
- 1975 : Organizing Committee: International Conference on Low Lying Lattice Modes, Ferroelectricity & Superconductivity. San Juan, P.R.
- 1976-1977 : Co-editor of Proceedings.
- PUBLICATIONS : 49

## RESUME

NAME : Joseph J. Kimmel  
 AGE : 34  
 DEGREES : A.B. - General Science, East Carolina University - 1968  
 M.S. - Biological Oceanography, Old Dominion University - 1973  
 PROFESSIONAL POSITIONS HELD :  
 July 1975 - Present Research Associate III  
 Marine Ecology Division - C.E.E.R., Mayaguez, P.R.  
 Feb. 1974 - June 1975 Research Associate II  
 Radioecology Division - P.R.N.C., Mayaguez, P.R.  
 Sept. 1971 - Feb. 1973 Teaching Assistant  
 Old Dominion University  
 Oct. 1968 - Aug. 1970 Sanitarian  
 V.A. State Health Department  
 OTHER EXPERIENCE : Fish Taxonomy  
 Diver - NAUI Certificate  
 Numerous cruises involving fish work and geology  
 Saturated diving in La Chalupa  
 AREAS OF INTEREST : Ecologically oriented fish research.  
 Response of organisms to stress.  
 SOCIETY MEMBERSHIPS : American Society of Ichthyologists & Herpetologists  
 American Fisheries Society  
 American Museum of Natural History  
 International Oceanographic Society  
 PUBLICATIONS : 4

## RESUME

**NAME** : Francis K. S. Koo  
**AGE** : 62  
**DEGREE** : Ph. D., University of Minnesota (Plant Genetics) 1950.

**PROFESSIONAL POSITIONS HELD** :

1968 to Present Senior Scientist and Head, Tropical Agro-Sciences Division, Puerto Rico Nuclear Center (now CEER)

1961 to Present Professor of Biology, (Ad Honorem) University of Puerto Rico

1972 to Present Professor of Agronomy, University of Puerto Rico

1974 UNDP-IAEA Expert in genetics, Center of Nuclear Energy in Agriculture, Brazil (3 months)

1967 - 1968 Chief Scientist, Agricultural Bio-Sciences Div., Puerto Rico Nuclear Center

1965 National Visiting Professor, National Taiwan University, Taiwan

1961 - 1967 Associate Scientist II, Agricultural Bio-Sciences Division, Puerto Rico Nuclear Center

1953 - 1961 Project Leader, Oats and Rye Improvement, University of Minnesota. (Breeder of two oat varieties, Minland and Minhafer, released in Minnesota.)

1951 - 1953 Research Fellow, University of Minnesota

**AREAS OF INTEREST** : Radiation genetics and Radiobiology

**SOCIETY MEMBERSHIP HONORS** : Genetic Society of America  
 Radiation Research Society  
 Sigma Xi Society  
 AAAS  
 Gamma Sigma Delta

**PUBLICATIONS** : 35



Name : Aldo E. Lanaro, M.D.  
 Age : 57  
 Degrees : Nuclear Medicine Board, U.S.A., 1972  
 Puerto Rico Board of Medical Examiners, 1972  
 M.D., Univ. of Buenos Aires, Argentina, 1950

Professional Positions Held:

1971-present : Senior Scientist II and Director  
 Nuclear Medicine Division, CEER  
 : Associate Professor in Nuclear Medicine  
 UPR School of Medicine  
 1963-1970 : Associate Scientist II  
 Clinical Applications Division, PRNC

Other Experience:

1974-present : Consultant, Nuclear Medicine  
 Veterans Administration Center  
 1973-present : Courtesy Member in Nuclear Medicine  
 Hospital del Maestro  
 Hospital Presbiteriano  
 Hospital Metropolitano  
 1957-1963 : Director of the Radioisotopes Department  
 of the Endocrinology and Metabolism Hosp.  
 Buenos Aires, Argentina  
 1954-1960 : In charge of the Radioisotopes Department  
 of the Research Medical Center at the  
 Tornú Hospital, Buenos Aires, Argentina

Other Activities:

1974-present : Member of the Advisory Committee of the  
 "Revista de Biología y Medicina Nuclear"  
 Journal published by the ALASBiMN  
 (Asociación Latino-Americana de Sociedades  
 de Biología y Medicina Nuclear)  
 1963-present : Member of the Organizing Committee of the  
 Argentinian Society of Nuclear Medicine, 1963  
 1954-1963 : Adscript professor in Biological Physics  
 of the School of Medicine of the University  
 of Buenos Aires, Argentina

(Cont.)

Area of Interest : Nuclear Medicine and Endocrinology

Society Membership:

Argentine Medical Association  
Argentinian Society of Endocrinology and Metabolism  
Argentinian Society of Biology and Nuclear Medicine  
Puerto Rico Chapter of the Health Physics Society  
Puerto Rican Society of Nuclear Medicine  
American Association for the Advancement of Science  
Health Physics Society  
Peruvian Soc. of Biology and Nuclear Medicine  
(Honorary Member)  
Society of Nuclear Medicine  
American Heart Association  
Puerto Rico Medical Association, 1974  
American Medical Association, 1974  
American College of Nuclear Physicians, 1975

Publications:

23

## RESUMÉ

22

NAME : José Manuel López

AGE : 27

DEGREES : Ph. D., Environmental Sciences (Chemistry)  
The University of Texas at Dallas (1976)

M.S., Water Chemistry  
University of Wisconsin (1973)

B.S., Chemistry  
University of Puerto Rico (1970)

PROFESSIONAL  
POSITIONS  
HELD :

April 1976 -  
Present                    Research Scientist  
Marine Ecology Division, CEER  
Mayaguez, P.R.

1975 - 1976                Lecturer, Environmental Sciences  
The University of Texas at Dallas

1974 - 1975                Associate Research Scientist/Engineer  
The University of Texas at Dallas

1973 - 1974                Research Assistant  
Texas A&M University

1970                        Instructor of Chemistry  
Miguel Such Vocational School, Puerto Rico

OTHER  
EXPERIENCE : Industrial consulting assessing significance of  
thermal and chemical pollutant discharges to  
various U.S. Great Lakes, rivers and estuaries.

AREAS OF  
INTEREST : Sources, significance and fate of chemical  
contaminants in the environment.

SOCIETY MEMBER-  
SHIPS, HONORS : American Society of Limnology and Oceanography  
American Chemical Society  
American Assoc. for the Advancement of Science  
Professor Ad Honorem, Department of Biology, UPR

PUBLICATIONS: 7

## RESUME

NAME : Víctor A. Marcial, M.D.  
 AGE : 53  
 DEGREES : M.D., Harvard University (1949)  
 B.S., University of Puerto Rico (1944)

PROFESSIONAL  
POSITIONS HELD:

1958 to present Head, Radiation Oncology Division  
 1967 to present Associate Director for Medical Programs  
 1974 to present Acting Director, Department of Radiological Sciences, UPR School of  
 Medicine  
 1958 to present Professor and Chief of Division of Radiation Oncology, UPR School of  
 Medicine  
 1958-70 Attending and Chief of Radiation Therapy Department, I. González  
 Martínez Oncologic Hospital  
 1955-65 Director, Cancer Control Program, Puerto Rico Department of Health

SOCIETY  
MEMBERSHIP,  
HONORS

Former:  
 Fellowship, National Cancer Institute  
 Fellowship, American Cancer Society  
 Alpha Omega Alpha, Honorary Medical Society  
 Counselor for Puerto Rico, Radiological Society of North America  
 Counselor for Puerto Rico, Interamerican College of Radiology  
 Member, Committee for Radiation Oncology Studies, N.C.I.  
 Member, Clinical Cancer Training Committee, N.C.I.  
 Member, Cancer Commission, American College of Radiology  
 Member, Cancer Management Committee of the American College of  
 Radiology  
 Chairman, Interagency Committee for Tobacco and Health, P. R. De-  
 partment of Health  
 Chairman, Committee for Clinical Research, Radiotherapy Commission,  
 American College of Radiology  
 Secretary for the Americas of the International Club of Radiotherapists  
 President, Tenth Interamerican Congress of Radiology  
 President, Radiological Society of Puerto Rico  
 President, American Radium Society  
 Most Outstanding Young Physician in Puerto Rico for the Year 1962, Junior  
 Chamber of Commerce, Río Piedras, Puerto Rico

## Present:

Member, Board of Governors, American Federation of Clinical Oncologic  
 Societies  
 Member, Clinical Cancer Education Committee, National Cancer Institute

-2-

President, Puerto Rico Division of the American Cancer Society  
Chairman, Radiotherapy Commission, Interamerican College of Radiology  
Member, Scientific Committee of the XII International Cancer Congress  
Chairman, Department of Radiological Sciences, University of Puerto  
Rico School of Medicine  
Associate Director for Clinical Programs, Puerto Rico Comprehensive  
Cancer Center

AREAS OF  
INTEREST

Radiation Oncology

PUBLICATIONS: 44

## RESUMÉ

NAME : Cruz María Nazario

AGE : 33

DEGREES : B.S. University of Puerto Rico  
Río Piedras, Puerto Rico  
M.S. University of Puerto Rico  
Medical Sciences Campus,  
Río Piedras, Puerto Rico

PROFESSIONAL  
POSITIONS HELD :

1976 - Present Research Associate III, CEER,  
Computer Programming, Statistics

1975 Mathematics Instructor,  
C.U.T., Caguas, Puerto Rico

1974 Technical Assistant, PRNC  
Health & Safety

1969 Instructor, Department of  
Education, Barranquitas

1966 - 1969 System Programmer II,  
Department of Education

AREAS OF INTEREST : Statistical Epidemicology  
Computer Programming

SOCIETY MEMBER-  
SHIPS : Health-Physics Society, P.R. Chapter; American  
Public Health Association, Speleological Society  
of Puerto Rico.

PUBLICATIONS : 1

## RESUME

NAME : José C. Pacheco Díaz

AGE : 35

DEGREES : M.S., Radiological Health,  
University of Puerto Rico, Medical Sciences Campus (1970)  
B.S., Mathematics  
University of Puerto Rico, Mayaguez Campus (1965)

PROFESSIONAL  
POSITIONS HELD :

1976 - Present Head, Medical Physics Section  
Center for Energy and Environment Research

1974 - Present Instructor, Department of Radiological Sciences,  
University of Puerto Rico, School of Medicine

1967 - Present Instructor, Radiological Physics  
Presbyterian Hospital, San Juan, Puerto Rico

1972 - 1976 Research Associate III, Medical Physics  
Puerto Rico Nuclear Center (now CEER)

1971 - 1975 Ad-Honorem Instructor, School of Public Health  
University of Puerto Rico

1970 - 1972 Research Associate II, Radiotherapy and Cancer  
Division, Puerto Rico Nuclear Center

1965 - 1969 Radiation Protection Specialist II,  
Department of Health, Commonwealth of Puerto Rico

AREAS OF INTEREST : Radiological Science related to electron treatment of  
malignant diseases.

SOCIETY MEMBER-  
SHIPS, HONORS :

Member, Puerto Rico Chapter  
Health Physics Society.  
Member, Puerto Rico Nuclear Medicine  
Society  
Member, American Association of Physicists  
in Medicine.

PUBLICATIONS :

## RESUME

Name : Knud Borge Pedersen

Age : 44

Degrees : Ph.D., Nuclear Engineering, Iowa State Univ., 1967  
M.S., Nuclear Engineering, Iowa State Univ., 1964  
B.S., Mechanical Engineering, Iowa State College, 1958

Professional Positions Held

August 1976 to Present : Professor, RUM

July 1970 to July 1976 : Associate Professor, RUM

July 1967 to 1970 : Assistant Professor, Nuclear Eng., Univ. of Puerto Rico, RUM

June 1967 to July 1967 : Assistant Professor, Iowa State University

August 1964 to June 1967 : Instructor, Nuclear Eng., Iowa State University, Ames, Iowa

July 1967 to Present : Scientist, Senior Scientist, Puerto Rico Nuclear Center, Mayaguez, P. R.

August 1960 to July 1964 : Junior Engineer, Ames Laboratory, Ames, Iowa

July 1958 to July 1960 : Development Engineer, Outboard Marine Corp., Waukegan, Ill.

Other Experience

Dec. 1952 to Dec. 1954 : U.S. Army, Corporal

1973 : Research Participant, Oak Ridge National Laboratory, Oak Ridge, Tennessee

1976 : Fellow, NASA-ASEE Systems Design Summer Faculty Program, Johnson Space Center, Houston, Texas

1968-1969 : Vice President, Parents-Teachers Organization, Campus School, IAU, San Germán, P. R.

1969-1970 : Chairman, School Board, Campus School, IAU

1970-1971 : Member, President's Council of Inter American University, San Germán, P. R.

1973-Present : Member, Board of Directors, YMCA, Mayaguez, P. R.

1976 : Member, League of Women Voters, Puerto Rico

Areas of Interest : Thermo Sciences, Nuclear Power Plants, Environmental Impacts

Publications : 16

Memberships : Phi Eta Sigma, Pi Tau Sigma, Tau Beta Pi, Honorary Fraternities  
American Nuclear Society, Member, co-founder of Latin American Section  
American Society for Engineering Education  
Phi Kappa Phi Honor Society  
Wilderness Society  
Society for Prevention of Cruelty to Animals



## RESUME

Name : Heriberto Plaza-Rosado

Age : 39

Degrees : Ph. D., Nuclear Engineering, Texas A & M Univ. (1966)  
M.S., Nuclear Technology, Univ. of P. R., RUM (1963)  
B.S., Electrical Engineering, Univ. of P. R., RUM (1961)

Professional Positions Held

Dec. 1966 to Present : Nuclear Engineering Professor, RUM, and Scientist, Nuclear Engineering Division, CEER, Mayaguez, Puerto Rico

Other Experience : Auburn University Post Doctoral Fellow, Energy Conservation Program. (August 27, 1976 - May 6, 1977)

Areas of Interest : Net Energy Analysis and Economics of Energy Systems, Energy Conservation.

Society Memberships, Honors : American Society for Engineering Education  
Tau Beta Phi  
Phi Kappa Phi

Publications : 10

## RESUME

NAME : Hilda M. Rojas  
 AGE : 27  
 DEGREES : Master of Science, Biological Oceanography  
 Department of Marine Science  
 University of Puerto Rico (1976)  
 Bachelor of Science, Zoology  
 University of Maryland (1971)

PROFESSIONAL POSITIONS HELD :

October 1975 - Present : Research Associate II  
 Marine Ecology Division, CEER  
 Mayaguez, P.R.

July 1974 - June 1975 : Research Associate I  
 Radioecology Division, PRNC  
 Mayaguez, P.R.

Aug. 1971 - June 1974 : Research Associate  
 Department of Marine Science, UPR  
 Mayaguez, P.R.

May-August 1971 : Head Chemistry Section  
 Student Originated Studies Program  
 National Science Foundation  
 Washington, D.C.

June 1969 - June 1970 : Laboratory Assistant  
 Biochemistry Department  
 University of Maryland

OTHER EXPERIENCE : Diver - NAUI Certificate  
 Benthic Taxonomy  
 Marine algal taxonomy

AREAS OF INTEREST: Research in plankton and marine algal biology

SOCIETY MEMBERSHIPS : IOF, Smithsonian, NAUI

PUBLICATIONS : 1

## RESUMÉ

29

NAME : Frederick Edward Rushford

AGE : 48

DEGREES : M.S., Biology (required course credits completed)  
University of Puerto Rico, Rio Piedras Campus  
B.S., General Science  
Trinity College, Hartford, Connecticut (1950)

PROFESSIONAL POSITIONS HELD :

October 1976 - Present Head, Training Program  
Center for Energy and Environment Research (CEER)

August 1970 - Present Educational Officer  
CEER, formerly Puerto Rico Nuclear Center (PRNC)

January 1970 - Present Head, Training and Information Division  
CEER, formerly PRNC

June 1972 - June 1974 Coordinator for Nuclear Programs, President's Office  
University of Puerto Rico, Joint Appointment <sup>33% U.P.R.</sup> <sub>67% P.R.N.C.</sub>

June 1962 - July 1970 Technical Assistant to the Director  
Puerto Rico Nuclear Center

August 1960 - May 1962 Teacher, Science and Mathematics  
Antilles High School, U. S. Naval Station, San Juan

October 1960 - Nov. 1960 Assistant Scientist, Oak Ridge Institute of Nuclear  
Studies, assigned to USAEC Exhibit, Buenos Aires, Arg.

July 1959 - July 1960 Traveling Science Teacher  
Oak Ridge Institute of Nuclear Studies

April 1954 - June 1959 Teacher, Science and Mathematics  
Antilles High School, U. S. Naval Station, San Juan

January 1952 - May 1953 Medical Laboratory Technician, Military Service  
Rodriguez Army Hospital, San Juan, Puerto Rico

AREAS OF INTEREST : Educational Administration, Science Education,  
Technical Information

SOCIETY MEMBERSHIPS : Puerto Rico Teachers Association  
National Education Association  
Puerto Rico Science Teachers Association  
Puerto Rico Chapter, Health Physics Society  
American Nuclear Society, 1965 - 1976

PUBLICATIONS : 3 , served as Editor for PRNC, now CEER, Annual Reports

## RESUME

NAME : Rosa Julia Santiago

AGE : 41

DEGREES : M.S., Health Physics  
University of Puerto Rico, Mayaguez (1963)  
B.S., Biology  
University of Puerto Rico, Mayaguez (1960)

PROFESSIONAL  
POSITIONS HELD :

1972 - Present Research Associate II, Marine Ecology  
Puerto Rico Nuclear Center (now CEER)

1975 - 1976 Acting Head, Bikini Project, PRNC

1964 - 1972 Research Associate I, Marine Biology  
Puerto Rico Nuclear Center

1963 - 1964 Research Assistant II, Resonance in  
Radiation Effects Project, PRNC

1960 - 1961 Staff Member, Summer Institute of  
Radiation Biology, PRNC

1960 - 1963 Research Assistant I, Health Physics  
Division, PRNC

AREAS OF INTEREST : Biology, Health Physics

SOCIETY MEMBER-  
SHIPS, HONORS : Health Physics Society  
Puerto Rico Chapter, Health Physics Society  
Beta, Beta, Beta

PUBLICATIONS : 10

## RESUME

May 1977

NAME : Sasscer, Donald S.

AGE : 47

DEGREES : Ph.D. Nuclear Engineering, Iowa State Univ., 1964  
M.S., Nuclear Engineering, Iowa State Univ., 1959  
B.S., Mechanical Engineering, Univ. of Utah, 1953

PROFESSIONAL POSITIONS HELD :

Jan. 1977 to Present : Acting Associate Director, CEER

1964 to present : Assoc. Prof., Prof. of Nuclear Engineering, RUM-UPR

1964 to present : Scientist II, Chief Scientist II, Nuc. Eng'g., CEER

1966 to Present : Head, Nuclear Technology Division of CEER

Aug. 76 to Jan. 76: Energy Coordinator, School of Engineering, RUM-UPR

1966 to 1976 : Director, Dept. of Nuclear Engineering, RUM-UPR

1961 to 1964 : Assist. Prof., Assoc. Prof., Nuclear Eng., Iowa State Univ.

1961 to 1964 : Research Scientist, Nuclear Eng'g., Ames Lab., USAEC

1956 to 1959 : Instructor, Theoretical and Applied Mech., Iowa State Univ.

Nov. 55 to Jan.56 : Industrial Engineer, U.S.A.F., Hill Airforce Base, Utah

June 56 to Aug.56 : Mechanical Engineer, McDonnell Aircraft Corp.

1953 to 1955 : 2nd Lt., 1st Lt., Guidance System Officer, U.S.A.F.

June 53 to Dec.53 : Mechanical Eng'g., Douglass Aircraft Corp.

Nov. 1968 : Consultant, Commonwealth Oil Refining Company, part-time

AREAS OF INTEREST : Nuclear, OTEC

SOCIETIES, MEMBERSHIPS, HONORS :

Member, American Nuclear Society (ANS)

Member, Health Physics Society (HPS)

Member, American Society for Engineering Education (ASEE)

USAEC Special Fellow, 1959-1961

Member Engineering Honor Society of Tau Beta Phi

Member of National Honor Society of Phi Kappa Phi

Listed in American Men and Women of Science

Recipient of Award by Engineers, Architects, and Surveyors Society (Colegio de Ingenieros, Arquitectos y Agrimensores) of Puerto Rico in recognition of contribution to the education of professional engineers in Puerto Rico, August 1974.

PUBLICATIONS : 18

## RESUME

NAME : Rama S. Singh  
 AGE : 39  
 DEGREES : Ph.D. Electrical Engineering (Solid State), Univ. R.I. (1971).  
           M.Sc. Physics, Banaras Hindu University, India (1959).  
           B.Sc. with Honors in Physics, Banaras Hindu Univ., India (1959).

PROFESSIONAL  
 POSITIONS  
 HELD :

1972 - Present : Asst. Prof., Department of Physics, RUM-UPR.  
 1972 - Present : Scientist I (Joint Appointment), CEER  
 1971 - 1972 : NRC Postdoctor fellow, U.S. Army MUCOM and Nat'l. Bureau of  
               Standard, Washington, D.C..  
 1969 - 1971 : Instructor, Department of E.E. University of Rhode Island.  
 1967 - 1969 : Research and Teaching Asst., Dept. of E.E., U.R.I., Rhode Island

OTHER  
 EXPERIENCE : Research Collaborator, Department of Physics, Brookhaven National  
               Laboratory during summer of 1976.

AREAS OF  
 INTEREST : Phase Transition in Crystals, Light Scattering, Solar Energy  
               Storage and Selective Surfaces of the Collectors.

SOCIETY MEMBER-  
 SHIPS, HONORS : American Physical Society  
                   Institute of Electronics and Electrical Engineer  
                   Phi Kappa Phi

PUBLICATIONS : 11, one in press, three in preparation.

## RESUMÉ

NAME : Vance Peter Vicente

AGE : 27

DEGREES : M.S., Biological Oceanography  
University of Puerto Rico, Mayaguez (1973)

B.S., Biology  
University of Puerto Rico, Rio Piedras (1970)

PROFESSIONAL POSITIONS HELD :

1976 - Present Research Associate III  
Marine Ecology Division, CEER  
Mayaguez, P.R.

1973 - 1975 Research Associate II  
Radioecology Division, CEER  
Mayaguez, P.R.

1973 Assistant Science Program Coordinator  
PRINUL  
San German, P.R.

OTHER EXPERIENCE :

Cooperative Consultant for sponge-ecology and taxonomy.

Cooperative Consultant for seagrass biological studies.

AREAS OF INTEREST : Benthic Ecology - Seagrass bed ecology, Mangrove root communities, coral reef ecology; Sponge ecology and taxonomy.

SOCIETY MEMBERSHIPS :

International Association of Aquatic Vascular Plant Biologist (IAAVPB)  
Association of Island Marine Laboratories of the Caribbean (AIMLC)

National Association of Underwater Instructors (NAUI)  
International Oceanographic Foundation (IOF)  
Oceanic Society  
American Museum of Natural History (Associate)  
Sociedad Española de Auxilio Mutuo y Beneficiencia de Puerto Rico (Associate)

PUBLICATIONS : 17