NOVA'S OCEANOGRAPHIC CENTER JOINS NINE OTHER INSTITUTIONS IN "OPEN-SEA" WORK

1972 COMMENCEMENT EXERCISES

Ocean secrets that are important to man's safety, will be probed by Nova University's expanded Oceanographic Center in a joint venture with nine other major institutions.

According to Dr. William S. Richardson, Director of the Oceanographic Center, Nova will join the University of Massachusetts, Massachusetts Institute of Technology, Harvard University, Columbia University, University of Rhode Island, Johns Hopkins University, Yale University, the Woods Hole Institute of Oceanography, the Scripps Institute of Oceanography and the National Institute of Oceanography in Surrey, England, in carrying out this experiment which has been called one of the most significant research operations to take place in this decade.

(continued page 4)
Master of Science degrees in Counseling and Guidance were awarded to Donald J. Badger, Sally C. Dana, Harold L. Denhart and Robert P. Kelley.

Frank R. Garzarek and Raymond P. Workman received Master of Science degrees in Instructional Systems.

One of the prospective graduates, Allison LeMaire, passed away shortly before the commencement exercises and his degree was awarded posthumously.

Dr. Handler is the fifth person designated by Nova University to receive an honorary doctorate. The first honorary degrees were granted in 1970 to James Farquhar, chairman of Nova University's Board of Trustees, and Louis W. Parker, scientist and philanthropist.

Last year, George W. English, attorney and financier for whom the Nova University Physical Sciences library has been named, and The Honorable Paul G. Rogers, U.S. Congressman, received honorary doctorates.

Dr. Handler has been a special advisor to Nova University since its inception. He is one of the most influential scientists in the country and regularly participates in the top echelon of Washington's policy-making councils. He serves also as a special advisor to President Nixon.

Dr. Handler strongly advocates the new educational concepts at Nova, and he believes the Broward university is at the vanguard of the future of education in the technological age.

He is currently James B. Duke Professor of Biochemistry at Duke University and is a fellow of both the American Academy of Arts and Sciences and the American Association for the Advancement of Science.

Handler has also held numerous governmental service positions. He was a council member of the Smithsonian Institution and member of the President's Task Force of Science Policy, the President's Science Advisory Committee Panel on Biological and Medical Sciences, the President's Commission on Heart Disease, Cancer and Stroke, and the Surgeon General's Committee on Environmental Health Problems. He is past chairman of the board of the National Science Foundation and has held various positions with the National Institute of Health.

The new Ph.D.'s in Behavioral Sciences have completed three years of study on the Nova University campus.

Herrin earned his Bachelor of Science degree from Northeastern Oklahoma State College and his Master of Science degree from Oregon State University. His major is Science Education and his dissertation topic is Science Understanding and Related Attitudes of American Indian and White Students: A Study of Cultural Differences.

Mrs. Mitchell holds her Bachelor of Arts and Master of Science degrees from Queens College. Her major is Educational Research with her dissertation in Teacher "Attitudes" versus Teacher Behavior. Marlene received a grant from the Office of Education to assist in the dissertation research.
HIGHLIGHTS OF DR. HANDLER'S
COMMENCEMENT ADDRESS

"More nuclear power plants will be needed to keep up
with the nation's growing demand for power and en-
vironmental cleanup," said Dr. Philip Handler, president
of the National Academy of Sciences.

Dr. Handler, a member of Nova's National Advisory
Board, delivered the commencement address to the more
than 250 persons who made up a standing-room-only
crowd at the Mailman-Hollywood Center Auditorium,
May 21, 1972.

"I see no acceptable alternative to the construction of
such power plants -- and soon," he said.

"Those who demand environmental cleanup, sophisti-
cated waste treatment plants and maximal recycling of
materials, yet also fight to prevent construction of any
new power plants, either do not understand what they
are saying or are knowingly hypocritical," he added.

"If by their effort we fail, our civilization will go
down not in flames, but for lack of flames," he said.

Handler warned overreaction to power needs could
end in too many nuclear power plants.

"There is, however, cause for alarm at the vision of a
nation with hundreds of power reactor installations -- a
nation in which there are, at all times, large quantities of
plutonium as well as radio-active waste in transit looking
for an accident," he said.

He predicted the rising need for power will escalate
the cost of a clean environment.

"In a few years the national bill for cleaning the air
and water will appear substantial, even by federal spend-
ing standards," he said.

Dr. Alexander Schure, chancellor of Nova University,
conferred an honorary Doctorate of Letters Degree on
Dr. Handler.
In expanding Nova’s work on the open ocean, answers will be sought as to how the mid-ocean functions away from its coasts, and time and space scales in deep water. Also, is central ocean movement off the North American coast slow and steady, or does it generate eddies and erratic motion?

The area to be studied lies about halfway between the Bahamas and the Bermudas, fifty miles due east of Cape Canaveral (Cape Kennedy). Actual work on this broad study of mid-ocean dynamics will take place in spring and summer, 1973. Nova’s part will be the measuring of currents in the ocean from airplanes -- a speeded-up, more accurate system developed by the Oceanographic Center now at Port Everglades.

Formans Help

Thanks to a number of foresighted public bodies and private individuals the Nova University Oceanographic Center is now well established on ten highly valuable acres deeded to the University by the Broward County Commission in 1967. It has 660 feet frontage on the Intracoastal Waterway directly east of Port Everglades and south of the entrance channel to the big port. Depth is 660 feet.

The Forman family, Broward County pioneers and active GOLD KEY members – Dr. Charles R. Forman and Hamilton C. Forman -- provided for digging the new Center’s boat basin and the additional funds for sea walls. Nova University constructed permanent facilities on the site. Capital investment, exclusive of the highly valuable site itself, exceeded $500,000.

Dr. Richardson says he now has sufficient space to work in. Originally, he was on a houseboat and in trailers in a cramped site in a canal north of Port Everglades in Fort Lauderdale. He still needs dormitories for graduates. Today his operation consists of 50 people: 11 faculty members, six graduate students and a large engineering and technical staff.

Important Work

The new center bears the unlikely address of 8000 North Ocean Drive, Hollywood. Access by car is provided by Dania Beach Boulevard and A1A. At this intersection, North Ocean Drive continues through the Broward County Public Beach and literally comes to a dead end at the entrance to the oceanographic laboratory site which is directly across from Point of Americas. Many staff members come to work by boat.

Principal accomplishment of the Oceanographic Center to date is the completion of the work on the Florida current, the Gulf Stream. Tide influences have been determined; as have been the physics of energy transfer or the major mechanism in the ocean for conveying heat north from the lower latitudes.

Oceanographic Center findings have benefited the U.S. Coast Guard in its Search and Rescue efforts. The Coast Guard uses oceanographic data in revising and updating its charts. Dr. Richardson notes with pleasure that the Coast Guard will move to a more expanded facility immediately south of the Oceanographic Center on Intracoastal Waterway.

"Both the Coast Guard and Port Everglades have been very good neighbors," Dr. Richardson declares.

(continued page 6)
Three GOLD KEYMEN and another bank official, are pictured inspecting the "smallest for the tallest" — The tallest office building ever erected in Broward, the First National Bank in Fort Lauderdale, will have one of the world’s smallest cornerstones — roughly five inches square. Officials of the bank discuss a model of the cornerstone. Material will be placed on microfilm and sealed in a small air tight container at the base of the 28-story building. The material will include current events and the future of south Florida by state and federal officials, personalities and students from metropolitan Fort Lauderdale.

Left to right are Fred Millsaps, President; George W. English, Chairman of the Board; Coley Judd, Realtor, a director; and Carl Jackson, Executive Vice President.
(left to right) Lester Moody, Stanley A. Emerson, Travis Dungan, M.R. "Cy" Young, Clinton M. Lagrosa (new GOLD KEY member); John E. Morris, Jr., President and Col. Logan C. Berry, Executive Director.
GOLD KEY LADIES' NIGHT PARTY AN ENJOYABLE AFFAIR
NOVA U'S RESEARCH CENTER NAMED GOODWIN INSTITUTE

Cancer research at Nova University will enter a new phase as the Germfree Life Research Center becomes the Leo Goodwin Institute for Cancer Research, named for the late Fort Lauderdale philanthropist.

Dr. Joel Warren, director of the university's overall Life Sciences Center, which will house the Goodwin Institute, and Mrs. Bernard Castro, a leading supporter of the cancer work, joined in the announcement by Goodwin's son, Leo, Jr.

Goodwin said he immediately will pay off the indebtedness which the university incurred in 1968 in building the laboratories needed for the Germfree Center.

Both the Goodwins, Leo, Jr. and his late father, were active in GOLD KEY affairs.

In their work with animals, Nova researchers seek to pin down combinations of conditions that lead to abnormal cell growth, and the development of cancer. One project involves studies of the effects of tobacco smoke. Others relate to varieties of chemical compounds and viruses.

The Germfree Life Research Center was given its name when the late Dr. James Reyniers established it in Tampa after his retirement from Notre Dame University in 1950.

The center's current budget ranges between $350,000 and $400,000 a year, primarily from the federal government through the National Institute of Health.

Funds also have been received from the Damon Runyan Foundation and from the Oswald Foundation of Ft. Lauderdale, which contributed $125,000 for laboratory expansion.

The changeover to the name of the Goodwin Institute for Cancer Research will require several weeks. Meanwhile, Dr. Warren is moving ahead with plans to expand the faculty this fall.

"We're interviewing immunologists, bio-chemists and tumor pathologists," he said.

The Goodwin gift also will include an electron microscope laboratory, a $50,000 piece of equipment which Nova and other local institutions have needed for many months. However, Dr. Warren indicated that it would not be purchased until funds are found to operate it.

TO PROBE CONTINUED

Naval interest in the Center is in science research for fuller understanding of ocean currents, temperatures, etc. The U.S. Weather Bureau is aided by the Center in long-term weather forecasting.

"Our findings and discoveries are published in scientific journals . . . We work closely with the Marine Department of the University of Miami," Dr. Richardson said.

The Center is now engaged in a joint operation with Texas A. and M. and the University of Miami on the Yucatan Channel, and the channel and currents between Florida and Cuba. In this connection, Dr. Richardson has been in Mexico, Washington, D.C., and back to Key West. The Yucatan work will be based at Cozumel.

GOLD KEY enjoyed some of its most delightful affairs at the Oceanography Laboratory on the big houseboat, before the move was made to Port Everglades. This would be a good time for another such visit, if a proper date can be arranged with Dr. Richardson.

There is much to be seen, much to be learned there.
A new kind of community that places far greater emphasis on education than is usually practiced will soon be underway in a wooded section of central Georgia some 25 miles south of Atlanta.

Plans for this unique Georgia community call for Nova University to recommend and help implement a total educational program in close cooperation with Georgia's Henry County Board of Education and the developer.

Heading Nova's part in the program will be Dr. M. Alexander Gabrielsen, Director of Nova's new program in Human Habitability. He declares that in today's world, one of the most crucial needs is better educational opportunities for the young. Yet, until now, no community has ever been built to provide superior education by supplementing the traditional programs now in existence.

The central Georgia venture will be a prototype or model which will serve as a beginning for similar communities everywhere. The key to the new communities that makes them far advanced above the average land development is the Community Learning Center. This will bring education, recreation and community cultural activities together, as well as make all the activities accessible to every age group.

Eventually, the Center will be connected by coaxial cable to all school classrooms and to every home in the community. This will mean a redesigning of residences so that a new dimension in the educational process may be added.

Dr. Gabrielsen, Nova's human habitability expert, has spent 25 years helping develop school district programs in New York, New Jersey and Connecticut. He has been active in open-space planning and park recreation all over the world, including the 170,000 acres of TVA's "Land Between the Lakes" project.

He is a retired Navy captain, and served in World War II, the Korean War and Vietnam. While in the Naval service he became concerned with density problems, and completed special commissioned studies for the Secretary of Defense. He is Professor Emeritus from New York University, where he served on the faculty for 26 years.

The ultimate goal for Gabrielsen and Nova University is to work with land developers to maximize the educational, cultural and recreational opportunities for all residents - to literally provide each home with a "Window to the World."

He believes that viable living communities must provide interrelated environments where education, essential community services, beauty, recreation and personal aspirations are brought into harmony. Far too much emphasis today is placed on making a quick profit on land development rather than making good places for people to live, says Dr. Gabrielsen.

NOVA MAKES GIANT STRIDES IN UNDER FIVE YEARS

It was less than five years ago -- October, 1967 -- that Nova University News announced, and pictured, its first class of students.

Seventeen were pictured as they heard Dr. A.S. Fischler, then Dean of Graduate Studies, tell them that "every student is important," as he welcomed them.

GOLD KEY hosted an Opening Day buffet for students, faculty and trustees. Pictured were first president Fred Youngblood and his wife, and Mr. and Mrs. George Gill, Jr., welcoming guests.

At today's point in time the great progress of the university is plain to see: in graduation classes (our third on May 21, 1972); Dr. Fischler is now president with several new buildings; new avenues of service; and the affiliation with the New York Institute of Technology.

Nova is now reaching some of its potential, and justifying the dreams and high hopes held for it only a short time ago. It is becoming truly important, not only to Florida but to the rest of the country as well.
ED.D. PARTICIPANTS WERE SPECIAL GUESTS

Among the special guests attending Commencement Exercises at Nova University were the "Cluster Coordinators," national lecturers and members of the Board of Governors of the new National Ed.D. Program for Educational Leaders.

The commencement concluded a special "Stocktaking and Planning Session" held May 20-21 for the leaders of this off-campus doctorate of education program.

The program was directed by Dr. Donald P. Mitchell, who is in charge of clusters in Fairfield, Cal.; Hartford, Conn.; New Rochelle and Old Westbury, N.Y.; Washington D.C.; Boston, Mass.; and Jacksonville, West Palm Beach, Gainesville, Pinellas County and Fort Lauderdale, Fla.

Other Nova clusters are being developed in Atlanta, Ga.; Chicago, Ill.; Denver, Colo.; Doylestown and Erie, Pa.; Griffin, Ga.; Los Angeles and Sacramento, Cal.; New Haven, Conn.; New Orleans, La.; New York, N.Y.; and Portland, Ore.

Representatives from most of these clusters were brought together for the first time at the "Stocktaking and Planning Session," and many persons stayed to attend Nova's Commencement Exercises.

The Roster of Participants for the session reads like a "Who's Who" of Education.

Special guests included National Lecturers William Applebaum, Lecturer Emeritus at the Harvard Graduate School of Business Administration; Morris L. Cogan, Chairman of the Teacher Education Division of the University of Pittsburgh; and Louis J. Rubin, Director of the Communications Coalition for Educational Change in Washington, D.C.

From the program's special Board of Governors were Medill Bair, Chair, Superintendent of Schools, Hartford, Conn.; Robert W. Blanchard, Superintendent of Schools, Portland, Ore.; Clarence Golomb, Superintendent of Schools, Solano County, Fairfield, Cal.; Curtis Henson, Assistant Superintendent for Instruction, Atlanta, Ga.; Donald W. Johnson, Associate Superintendent, Duval County School Board, Jacksonville, Fla.; Robert LaPenna, Superintendent of Schools, Erie, Pa.; and George E. Raab, Superintendent, Bucks County Public Schools, Doylestown, Pa. Nolan Estes, Superintendent of Schools in Dallas, Texas, was the only member of the Board of Governors who was unable to attend the meeting.

Representing The Ford Foundation were James A. Kelly, Program Officer and Terry N. Saario, Public Education.

Mrs. Ligia Monroy, Professor and Member of the Curriculum Commission in the Pedagogical Institute of Caracas, Venezuela, attended the session as part of her work with Dr. Willard L. Leeds in Nova's Program in International Studies and Research.

From special bureaus in Washington, D.C., were John Lindia, Acting Deputy Associate Commissioner in the National Center for Improvement of Educational Systems; and Gerald E. Sroufe, Executive Director of the National Committee for the Support of Public Schools. The president of the Education Research Corporation in Newton, Mass., Allan Ellis, also was present.

Distinguished women present included Sharlene P. Hirsch, Director of the Office of Educational Development, Human Resources Administration, New York, N.Y.; and Virginia F. Lewis, Assistant Superintendent of the Department of Human Relations, Chicago Public Schools.

Higher education was represented by the National Lecturers and John F. Borum, Dean of Teacher Education at the New York Institute of Technology; and W. Richard Krall and DeHomer Waller, Academic Dean and President, respectively, of South Central Community College, New Haven, Conn.

Representatives from county and city school systems throughout the country who are responsible for the actual implementation of the Nova Clusters included: William E. Bryan, Director of Staff Development, City School System, Erie, Pa.; Paul Cawein, Assistant Superintendent of Schools, Washington, D.C.; Jack Christian, Assistant Superintendent for Instruction, Gainesville, Fla.; Stanley Fitzpatrick, Assistant Superintendent of Schools, New Orleans, La.; Robert Flanders, Director of the Educational Services Center, Griffin, Ga., Lloyd Kimmel, School Principal, Monroe, Ga.; and Robert Miles, Assistant Superintendent for Instruction, Hartford, Conn.

Daniel H. Muller, Assistant Superintendent of Instructional Services, Solano County Office of Education, Fairfield, Cal.; Harry Noblit, Assistant Executive Director, Bucks County Public Schools, Doylestown, Pa.; Edwin Schneider, Associate Superintendent of Public Schools, Portland, Ore.; Bernice Scott, Director of Planning and Design, Duval County School Board, Jacksonville, Fla.; Fred J. Stewart, Director of Staff Training Services, Sacramento, Cal.; John Thurber, Director of Inservice Education, Palm Beach County Schools, West Palm Beach, Fla.; and Donald Waldrip, Assistant Superintendent, Dallas Independent School District, Dallas, Tex.
ED.D. PARTICIPANTS WERE SPECIAL GUESTS CONT

Representing Nova University were Dr. Alexander Schure, Chancellor, and Dr. Abraham S. Fischler, President; Board of Trustees Chairman James Farquhar and Vice President M.R. “Cy” Young; and Dr. M. Alexander Gabrielsen, Dr. Robert J. Jones and Dr. John A. Scigliano, faculty and staff members. Also attending were Arthur E. Karel, Comptroller; and Eason Dobbs, Director of University Relations.

GOLD KEY LUNCHEON

A number of GOLD KEY members attended a luncheon at the Lauderdale Yacht Club, Wednesday, May 24. The purpose was a friendly school-year-end get-together, to discuss past accomplishments and to plan for the future.

President John E. Morris, Jr., presided.

One of the decisions made was to continue to invite GOLD KEY wives to attend the Annual GOLD KEY meeting held every December.

BERNARD CASTRO

Bernard Castro was honored in early May by B’nai B’rith at a testimonial dinner at the Hotel Pierre in New York City. He received the ADL Appeal Guardian of Freedom Award.

GOLD KEYMAN Castro is founder-president of Castro Convertibles. He was born in Italy and came to the U.S. at age 15. He founded Nostro Manufacturing and Castro Realty Corporation, and was a founder member of Florida’s Council of 100.

He has been active in campaigns for the Cancer Society, Heart Fund, St. Augustine School for the Deaf and Blind, the Lauderdale Symphony and the Civic Opera Guild. He holds the Horatio Alger Award.

PROTESTANT MINISTERS AWARDED DEGREES

Two of the first nine master’s degrees awarded in the 1972 Commencement Exercises went to local Protestant ministers who constantly use counseling and guidance principles in their daily work.

The degrees were conferred on the Rev. Harold Denhart, a Presbyterian clergyman who is full-time chaplain at Broward General Medical Center, and the Rev. Robert P. Kelley, pastor of First Christian Church, Fort Lauderdale.

Each man has pursued his studies for the master’s degree since the fall of 1970, while continuing to work full-time at his clerical duties which involve considerable counseling.

Rev. Denhart, a graduate of Westminster College and Lancaster Seminary, said “You can stagnate if you don’t continue your education.”

He added that the presence of the master’s level program at Nova University is beneficial to the community.

“Any minister involved in a counseling or people ministry needs more academic background for this,” he said.

Rev. Kelley’s undergraduate degrees are from Mount Union College in Alliance, Ohio, and Lexington Theological Seminary. He worked in counseling at the Public Health Service Hospital in Lexington. Denhart was also involved in counseling work in Long Beach before moving to Broward County.

Kelley, who spends 20 to 25 hours per week dealing with people who need counseling, said the master’s program gave him new skills which he uses in conjunction with techniques he has been using for years.

Kelley’s counseling load led him to the formation of the Family Counseling Center at First Christian Church. The center currently has a caseload of about 30.

“The need for counseling is tremendous,” Kelley said. “It’s great that the degree is available here. It would be valuable to any minister.”

Kelley added that the Nova University professors are “innovative. They explore everything that’s going on, offer a broad spectrum of what’s going on and you can put it right to work right here.”

Denhart pointed out that half a dozen ministers are enrolled part time at Nova. Among them, Canon William S. Brace of All Saints Episcopal Church and Rev. James T. Manley of the First Baptist Church in Plantation participated in the Commencement Exercises, giving the benediction and invocation respectively.
Dick Murray, well-known South Florida fund-raiser and development director, has been named vice president for development of Nova University. President Abraham S. Fischler announced that Murray, former vice president for development at Boca Raton Community Hospital, will direct all development efforts of the University. His appointment was effective April 15.

Murray will work with national and area philanthropic foundations as well as private donors. He is a recognized tax specialist and veteran of numerous successful development campaigns.

He joined Boca Raton Community Hospital in 1965. In addition to fund-raising, he has been in charge of public relations and personnel. In his seven years there, the hospital grew to 248 beds. More than $5,000,000 was raised.

Murray was an instructor of English and Philosophy and director of public relations at Marymount College. As a resident of Fort Lauderdale he was president of Tutor Hall, Inc., a private grade and high school, and president of Educational Consultants, Inc. He was also a writer for Time Magazine in Chicago.

He was a member of the Society of Jesus of the Detroit Province, studying for the priesthood. He left the Society before ordination with proper legal release from vows and involvements. He holds A.B. and M.A. degrees from Loyola University in Chicago, and a Ph.L. or earned Licentiate of Philosophy degree from West Baden College in Indiana.

Murray has been charter president of the Public Relations Council of the Florida Hospital Association, chairman of the education committee of the Boca Raton Chamber of Commerce, treasurer of the Boca Raton Rotary Club. He and his wife have four children.

Gene Whiddon, chairman of the Greater Fort Lauderdale Chamber of Commerce and president of Causeway Lumber Company, is among those named to a state commission which will study municipal governments in Florida. The commission will review local governments throughout the state to determine efficiency and to recommend ways in which they can be strengthened. GOLDKEYMAN Whiddon was named to his new post by Gov. Askew.

THE NOVACRAT
Published monthly in the interest of GOLD KEY of Nova University
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Stanley A. Emerson - Ex-Officio
Sidney Banks
Travis Dungan
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Francis McCahill
Lester E. Moody
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August Burghard - Editor
Printed by Nova University Press, 1972