



November 3-16, 1975

John Bodwell named to head Office of Development

John W. Bodwell, RIT's director of Annual Support, has been named to head the Office of Development. In announcing the appointment, President Paul A. Miller said that Bodwell assumed his new duties as director of Development and manager of the 150th Anniversary Campaign on November 1.

"We are fortunate that the continuity of the 150th Anniversary Campaign and the entire development effort will be maintained by the appointment of John Bodwell," said Dr. D. Robert Frisina, vice president. "He has worked closely with Dorothy Wadsworth, whom he now succeeds, during his two years at RIT. Bodwell played a key role in various divisions of the campaign in addition to building a strong base of annual support for the Institution."

Bodwell has taken an active role in directing RIT's annual Alumni Fund.

Since he joined the Institute in late 1973, alumni annual contributions have tripled. He was also instrumental in the development of RIT's first Parents' Fund and has overseen the creation of a new development computer system which features a greatly expanded data base on the Institute's entire constituency.

"It has been a privilege for me to be associated with RIT during the initial phase of the campaign, and at a time when new directions have been established for the ongoing development program," Bodwell said. "The completion of the campaign and the continuing growth of ongoing support offer further challenges for the Office of Development in the immediate future."

Prior to joining RIT, Bodwell served as director of annual support at Hobart and William Smith Colleges. There he directed four major annual support programs involving alumni, friends, foundations and



corporations.

A Chicago native, he was graduated from Knox College and received a master's degree from Chicago Theological Seminary.

First John Wiley Jones Symposium explores environmental impact of chemicals

In the interest of progress and convenience, modern science has employed chemicals which aim to make life more livable, but sometimes are destructive to it.

The environmental impact of insufficiently examined use of chemicals was probed at the College of Science's first annual John Wiley Jones Symposium in October.

The major attention-getter was the first John Wiley Jones Distinguished Lecturer, Dr. F. Sherwood Rowland, a professor from the University of California at Irvine.

Dr. Rowland, the chemist who uncovered the possible threat of aerosol sprays to the atmosphere's ozone layer, called for a legislative ban on fluorocarbons 11 and 12, which are used as propellants in aerosol sprays and in refrigeration.

Dr. Rowland's contention is that fluorocarbons are depleting the ozone layer which protects the earth from the sun's

ultraviolet radiation.

"We should start phasing out (those fluorocarbons) we have convenient substitutes for or that aren't necessary to civilization," he said. "It will be 10 to 20 years before the possible consequences are known for sure, but if we wait that long and there are serious consequences, they'll be irreversible. We want to get into a position where we don't require large-scale demonstrable harm before banning." In the nearly two years since Dr. Rowland and his colleague, Dr. Mario J. Molina, developed an atmospheric model which demonstrated the destruction of ozone by free radicals of elements, other scientists have supported the hypothesis about the catastrophic effects of fluorocarbons upon ozone, and none have proven Rowland and Molina wrong.

In the Rowland/Molina model, these fluorocarbon compounds eventually diffuse into the stratosphere--from 15 to

20 miles above the surface of the earth--where ultraviolet radiation breaks them down. One product of that breakdown, free chlorine radicals, in turn decomposes ozone.

It has been established that if ozone were depleted, radiation-induced skin cancer in large numbers of people would ensue. Other biological consequences are possible. Dr. Rowland said "reasonable scientists" predict serious biological damage such as changes in the world's weather patterns, genetic mutation and crop damage.

"What do you do when you can't predict with certainty? How do you put that factor into deciding what should be done?" Dr. Rowland asked.

On Tuesday morning, a representative of the fluorocarbon industry argued that in such situations you wait.

"We have no shortage of zealous men who want to protect the environment," said

Outstanding Alumni

Richard F. Limpert, president of Christopher Press in Rochester, and Bernie Boston, chief photographer of the "Washington Star-News," were named Outstanding Alumni of 1975 at the annual Outstanding Alumni Awards dinner Oct. 18 during Fall Weekend at RIT.

Limpert is a 1949 graduate, and Boston is a 1955 graduate.

Limpert, who had been at Christopher Press from 1949 to 1967, rejoined the company in 1973 as a vice president. He had spent the previous year in sales service with Case-Hoyt Corp. Prior to then he had been employed for six years at RIT: as assistant director, development; acting director, alumni relations; and finally director, alumni relations, for four years.

He is a past president of the Rochester Club of Printing House Craftsmen and a past director of the Printing Industry Association of Rochester.

Limpert has given extensive service to the RIT Alumni Association. A member of the Executive Council in 1962-66 and again 1973-75, he was president in 1964-65. He was chairman of the 1963 Alumni Fund, the alumni in industry phase of the New Campus Fund in 1964, and the Constitution Committee in 1973-74. He worked on the 1962 Alumni Fund and the Alumni Fund phonathons in 1974 and 1975. He has been a member of the Constitution and Nominating Committees (1975), the 100 Club (1968-71), and the steering committee for the School of Printing alumni annual seminar (1973-74).

Boston has been president of the White House News Photographers Assn.

As the "Star-News" chief photographer, Boston schedules all assignments for and edits the work of nearly a score of photographers. He has won several awards from such prestigious groups as the White House News Photographers Assn., National Press Photographers and American Newspaper Guild.

He has been with the "Star-News" eight years. His previous journalistic experience was three years with the "Daily News" of Dayton, Ohio. Prior to then he was a government photographer and a free-lance photographer. He worked in radiology during his service in the U.S. Army.

His photographs have been published in national magazines the stature of "Life" "Time," "Newsweek" and "U.S. News and World Report," and in textbooks.

Dr Fram speaker

Dr. Eugene Fram, professor of marketing and director of the Center for Management in the College of Business, will be guest dinner speaker at the Annual Educators' and Accounting Majors Night of the Rochester Chapter of the Institute of Internal Auditors.

The dinner meeting will be held Thursday, Nov. 6, at 6 p.m. at the Hilton Inn On The Campus, Jefferson Rd.

Dr. Fram will talk on "Do We Need a Closer Relationship Between the Internal Auditor and the Outside Director?"

In addition to his teaching and consulting

research activities, Dr. Fram is the author of several books and more than 25 articles. He also serves on the Boards of Directors of Neisner Brothers and Rochester Business Resources Corp.

Gerald Creel, president of the Rochester Chapter of the Institute of Internal Auditors, will preside at the meeting. Creel is internal auditor for Mobil Chemical Co., Macedon.

Attending the meeting will be students and professors from Rochester-area colleges.

Ski Club show

The "SKIING" magazine Traveling Mini Show will visit the RIT campus on Nov. 10. The show features the latest in ski equipment, free ski instruction, demonstrations on portable skiing decks, and ski movies.

Sponsored by the RIT Ski Club in cooperation with the U.S. Ski Association and "SKIING" magazine, the show runs without charge from 11 a.m. to 4 p.m.

"The show is a way to get people interested and involved in skiing before the snow flies," explains Richard Woolf of the RIT Ski Club.

The show is open to the public and has visited other college campuses and shopping centers throughout the country.

Technician Institute

Dean Thomas P. Wallace and Dr. Edward B. Stockham of the College of Science recently conducted a four-day Emergency Medical Technician (EMT) Senior Instructor's Institute for 30 people from all over New York.

Lecture topics included planning an educational program, developing educational objectives for an EMT course, utilizing effective teaching methods (including audiovisual materials), evaluating learning, and teaching practical skills. On the final two days, the students each prepared and presented one lecture and one demonstration of a skill to the groups into which they'd been divided.

Sessions were at the Inn on the Campus and the College of Science.

Those who successfully completed the institute received a certificate for senior EMT instructor from the New York State Health Department.

Dr. Wallace is President of the Henrietta Volunteer Ambulance Service Inc., an EMT and a first aid instructor. Dr. Stockham is director of allied health activities at RIT.

The audiovisual session during the institute was taught by Reno Antoniotti, coordinator of Audiovisual Services at RIT.



Dr. F. Sherwood Rowland (left), the College of Science's first John Wiley Jones Distinguished Lecturer, receives a silver bowl from Mr. Jones. The bowl was created by Hans Christensen of the School for American Craftsmen.

NTID mini-convention

NITD is planning a "mini-convention" to be held Feb. 12 and 13 on campus. The theme is "Focus on the Student," and will be patterned after the "conventional" convention, the basic difference being that faculty will be sharing information with each other rather than with people from other settings.

Faculty members who work with the deaf students in other colleges of RIT are invited to respond to the call for papers by contacting a member of the NTID support team in their college.

Faculty program

On February 13, 1975, the Institute Committee on Effective Teaching is planning a second day-long program for RIT faculty on specific aspects of teaching. The format for the day will include planned workshops on specific topics and methodologies related to instruction as well as seminars on fundamental questions that inspire the design of educational endeavors. RIT faculty will have the opportunity to choose to participate in either the NTID "Mini-Convention" on the education of deaf students planned for that day or to attend this second Conference on Teaching planned by the Institute Committee on Effective Teaching.

Resource recovery

The design and development of Monroe County's planned resource recovery system will be described at a conference in Montreux, Switzerland, in early November.

Dr. Richard A. Kenyon of 57 Old Forge Lane, Pittsford, dean of the RIT College of Engineering, will present a paper on "Operation Resource--The Design and Development of a Solid Waste Management and Resource Recovery System for Monroe County, New York," to the First International Conference on Conversion of Refuse to Energy.

Past President of the Rochester Engineering Society, Dr. Kenyon is chairman of Monroe County's Citizen Advisory Committee on the Resource Recovery Facility.

His paper describes the design and development of a 2,000 tons-per-day resource recovery facility which will be operational in Monroe County by mid-1976. The facility was developed by the county

government in cooperation with a volunteer citizens group, industry and Rochester Gas & Electric Co. The new plant will produce a variety of high quality recovered materials and nearly 800 tons per day of supplemental fuel.

Continuing events

Nov. 5,6 - Finger Lakes Building Officers Assoc. CU Main Lounge. 10:30-2 p.m.
Contact: Russ Vesper at 6172.

Nov. 5-8 - Eastern Regional Conference -IPMA, Ingle Auditorium. 8-6p.m. Contact Bill Birkett at 2722.

Nov. 7 - CPA's, First Audit or a new Client M-2, 9-5 p.m. Contact Bill Gasser at 2312.

Nov. 8 - If autumn fairs are what you like, then plan now to attend the Fall Fun Fair on Saturday, from 10:30 a.m.-5 p.m. in the gymnasium. Sponsored as a campus and community event by the RIT Women's Club to benefit their Student Scholarship Fund, the Fair has something for all ages. Call 442-2532, or 381-0507 for more info.

Nov. 10 - Campus Ski Show - Parking Lot D, 7 a.m.-4 p.m. Contact Richard Woolf at 235-7300.

Nov. 10-11 - CPA's, 1829 Room. 9-5 p.m. Contact Bill Gasser at 2312.

Nov. 12 - Internat'l Assoc. Bus. Communicators - CARC, 1829 Room. 11-2p.m. Contact Bill Siegfried at 2758.

Nov. 13 - Quality Control Committee - GARC Alumni Room, noon-2 pm. Contact Isabelle Schuetz at 2737.

Nov. 13 & 14 - Computer Science Seminar 13th - Clark Dining Room - 4-close. 14th - 1829 Room - 11-2 p.m. Contact Jim Carben at 2995.

Nov. 15 - Purchasing Agents Assoc. - Clark Dining Room, 01-2000, 8-6 p.m. Contact Merk Leivi at 473-1000 X454.

News and newsmakers

Dr. Jasper E. Shealy, department of industrial engineering, recently attended the 19th Annual Human Factors Society meeting in Dallas, Texas, where he presented his paper entitled "Effectiveness of Anti-Friction Devices in Snow-Skiing as a Function of Years Use." The meeting was held October 14-16, 1975.

Positions available

Listed below are the current openings at RIT as of 10/27/75. For further information please check the current job list in your college or administrative department.

Full-Time General Staff Positions

Office Supervisor/Secretary, Level 8 - Central Placement.

Secretary-NTID/Experimental Educational Theater Executive Secretary/NTID-Tech. Asst. Prog. Sr. Secretary-Level 5-College of Science/Math Records Supervisor-Development Stationary Engineer-Campus Services Chemical Mixing Technician-Photography-Level 8

Part Time General Staff Positions

Teaching Asst.-Bus. Tech.-Level 8

Full Time Administrative Staff Positions

Maintenance Engineer-Media Produ. Ctr. Coordinator of Public Information Prog./NTID Management Systems Analyst/NTID Head of Monographic Div.-Wallace Library Financial Analyst-NTID Audio Engineer-Media Prod. Ctr.

Part Time Administrative Staff Positions

Occupational Research Asst.-DOLR/NTID Learning Environments Spec.-CD&E/NTID

Full Time Faculty Positions

Faculty-Tech. Sci.-Optical Finishing Tech/NTID Coordinator of Training in Teacher Supervision NTID Curr. Development Spec.-Div. of CD&E/NTID Instructor-School of Printing Chairperson-DIEP Dept. of Human Dev.-NTID Coordinator of Audiology Service Section/NTID Research Assoc.-Audiology Dept.-NTID Coordinator of Career Development-NTID Asst. Dean for Tech. Ed. Prog.-NTID Instructor-Arch. Tech.-NTID Faculty-Bus. & Accounting Faculty-Data Processing Chairperson-Support Services Team for General Education.

"News and Events" is published every other Monday during the academic year by Communications Services at Rochester Institute of Technology and distributed free of charge to the Institute community. For information, call 464-2330.



Rochester Institute of Technology

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First John Wiley Jones Symposium

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Dr. Richard B. Ward of DuPont Corp., manufacturer of fluorocarbons 11 and 12. "Industry is one of the counterbalances to them. We have insufficient data (about ozone depletion). An immediate ban [of fluorocarbons] would be premature and unwarranted."

Citing examples of what he called "conclusions based on erroneous research and assumptions which ruined whole industries and which collapsed with adequate data," Dr. Ward said, "We can ill afford to make errors. Errors are expensive."

In full-page advertisements in the "New York Times" and elsewhere, DuPont has been claiming Dr. Rowland's predictions about ozone depletion and its consequences are grossly exaggerated.

"Scientific affairs are usually settled in the laboratory, not in advertisements," Dr. Rowland said. "I published what I discovered in the laboratory. That should be subjected to further investigation by my colleagues, not to full-page ads in the popular press."

In discussing the economic impact of a ban on fluorocarbons, Dr. Rowland asked industry to be consistent.

"Replacements for aerosol sprays, such as pump valves, are cheaper and reusable. That's counted as an economic disadvantage to the gross national product and to industry," he said. "The replacements for Fluorocarbon 11 and 12 as refrigerants are more expensive. That's also counted as an economic disadvantage. Industry ought to be consistent."

Dr. Rowland, who has testified before state and national legislative committees about the fluorocarbon issue, turned his attention to the "tricky problem of people with strong vested interests being the only ones who tend to show up before a legislature."

"You get a biased view of the economic impact if you listen only to the people who will be hurt," he continued. "When an industry complains that jobs will be lost

if a certain product is banned, industries in which employment will increase by making substitutes for the banned product seldom attend legislative hearings to talk about those benefits."

In his John Wiley Jones Distinguished Lecture Monday evening, Dr. Rowland traced the history of stratospheric chemistry and spoke in favor of allowing research scientists the freedom to follow their inclinations, however strange they may seem.

His own discoveries about ozone depletion by fluorocarbons would not have happened if a governmental agency had programmed a scientific investigation into the matter, Dr. Rowland said.

A physical chemist whose research was funded by the Atomic Energy Commission, Dr. Rowland was aware of measurements of the fluorocarbons in the atmosphere. He was curious about what happened to the fluorocarbons as they ascended, and asked the AEC's permission to look into the matter. It was a subject unrelated to Dr. Rowland's previous work and the AEC's usual interest, but the commission gave Dr. Rowland the go-ahead and in the summer of 1973 he and Dr. Molina constructed their model. Recent studies have supported earlier laboratory results.

The John Wiley Jones Symposium also examined the inadequately researched use of other chemicals released into the environment, ranging from the salt which is poured on the streets of Monroe County (New York) after a snowfall to the seed grain dusted with mercury fungicide which killed, maimed or sickened thousands of people in Iraq on three occasions.

Progress in environmental cleanup in western New York was cited by representatives of government, academia and industry who participated in the symposium's three panel discussions.

"I'm pleased to see this collaboration between academic and government agencies," remarked Dr. Herman Forest of SUNY Geneseo, chairman of the session

on the chemistry of water quality in Western New York State. "There is a genuine coordinated effort to clean up, and an awareness that wasn't there before."

The John Wiley Jones Symposium will be an annual event for RIT's College of Science. It is funded through a gift from Jones Chemicals Inc., of Caledonia, N.Y., in honor of its founder and chairman of the board. Each year the symposium will bring one or more eminent scientists to RIT to examine a topic of current concern. The gift also provides for scholarships for an outstanding student in physics and an outstanding student in chemistry.

Alcoholism conference

One of the nation's foremost authorities on alcoholism, Dr. Vernon E. Johnson, will be featured speaker at a conference on the recognition, identification and intervention of alcoholism sponsored by RIT, Nov. 10 and 11.

Dr. Johnson is president of the Johnson Institute, Minneapolis, Minnesota, a nonprofit foundation that conducts applied research and public education programs regarding chemical dependence (specifically, alcoholism).

He is also the author of "I'll Quit Tomorrow," a book that describes the physical and psychological aspects of alcoholism and offers a method for treating the disease.

A movie based on this book will be shown during the conference.

The conference is being sponsored by the Alcoholism Education Development Program at RIT, which is funded by a grant from the NYS Department of Mental Hygiene, Division of Alcoholism.

The conference will be held at the Airport Holiday Inn.

Planning committee for the conference includes Leonard Gravitz, director of RIT's Department of Social Work, and Peter J. Andrulis, coordinator of the Alcoholism Education Development Program.