



January 18-24 1974

Published by
Communications Services

Rochester Institute of Technology

Alistaire Cooke, 'America' Host, To Address First 1974 Meeting Of Nathaniel Rochester Society



Alistair Cooke in scene from ninth episode of the "America" series, which he narrated.

The Nathaniel Rochester Society of RIT will meet on Jan. 23 for the first meeting of the new year, at the Inn on the Campus.

Highlight of the meeting will be the presentation of the Nathaniel Rochester Society Award to the four trustees of the Mary Flagler Cary Charitable Trust of New York City. Trustees are: Edward S. Bentley, Herbert J. Jacobi, Mr. L. Lee (Helen) Stanton and Frank S. Stubbs.

In 1969, the Trustees established the Melbert B. Cary, Jr. Graphic Arts Fund in recognition of the significance of the graphic arts program at RIT. The Fund, which meets important Institute needs includes: The Melbert B. Cary, Jr. Graphic Arts Collection; the Melbert B. Cary, Jr. Professorship in Graphic Arts; the Frederick W. Goudy Distinguished

Lecture in Typography; and the Melbert B. Cary, Jr. Scholarships and Fellowships for undergraduate and graduate students in the School of Printing.

This is the second year that the Nathaniel Rochester Society has made such an award presentation. Members of the selection committee for the 1974 award are: Dr. and Mrs. Frank W. Lovejoy, Jr., chairmen; Mr. and Mrs. Randolph E. Carlson; Mr. and Mrs. Brackett H. Clark; Dr. and Mrs. Louis K. Eilers; and Mrs. Frank E. Gannett.

A second feature of the evening will be an address by Alistaire Cooke, well-known historian and journalist, who is best known for his 13-part television series, "America".

For the past five years, he has been the on-air host of the Public Broad-
cont'd p. 2

Engineering Prof Researching Engine Failure That Crippled Ships, Nuclear Power Plant

The failure of blades in its turbomachinery can cause a ship to be sidelined in port for a month. Repair costs can run into the hundreds of thousands of dollars.

Great Britain recently experienced a national crisis when this problem beset the luxury liner "Queen Elizabeth II" on its maiden voyage.

And a similar failure recently closed Rochester Gas & Electric's Ginna nuclear power plant indefinitely.

Up to now, the U.S. Navy and the merchant shipping fleet have had to grin and bear such calamities.

But a project being conducted at RIT by Dr. Neville F. Rieger of Pittsford, for the Navy, might make headway into the problem.

"Only part of the problem of failure of blades is understood," says the James E. Gleason Professor of Mechanical Engineering at RIT. "We really don't know much about how big the forces
cont'd p. 2



High speed filming of the flow of fluid through this water table will enable Dr. Neville Rieger (center) to measure the forces that cause failures in turbomachinery. The \$20,000 water table was constructed by Alfie Wicks (right), a research associate in mechanical engineering at RIT. The filming is being done by Larry McKnight (upper left), a photographer in the RIT Media Design Center.

Hugh Hammett Named To Continuing Ed Post

Hugh B. Hammett has been named chairman of the History and Political Science division of the College of Continuing Education.

He is the author of "America's Non -- Policy in Eastern Europe and the Origins of the Cold War" in the Autumn issue of *Survey: A Journal of East and West*. His essay, "The Jay Treaty: Crisis Diplomacy in the New Nation" will appear in the forthcoming January issue of *The Social Studies*, and an article on "Labor and Race: The Georgia Railroad Strike of 1909" is to appear in a forthcoming issue of *Labor History*.

Also forthcoming is Hammett's book, *Hilary Abner Herbert: A Southerner Returns to the Union*, a biography of the 34th Secretary of the Navy, to be published by the American Philosophical Society of Philadelphia.

Dr. Hammett most recently taught at Ithaca College. He has taught graduate courses at Elmira College and the University of Virginia, and was an assistant professor at Virginia Polytechnic Institute and State University for one year. Recipient of several scholarships and fellowships, Dr. Hammett earned his B.A. in History from Furman University, and both his M.S. and Ph.D. in History from the University of Virginia.

"Dr. Hammett will be a significant addition to RIT's faculty, and we expect his leadership to enhance the reputation of the College of Continuing Education for innovation," according to Fred Gardner, Director of General Education.

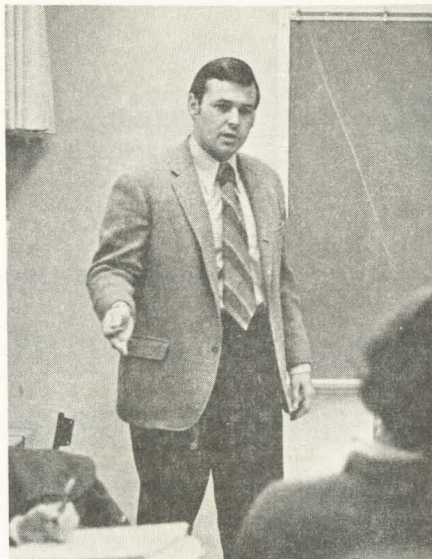
Cooke

con't from p. 1

casting Service's Masterpiece Theater, and was master of ceremonies from 1952 - 61 of the Ford Foundation's Omnibus. Since 1948, Cooke has been the chief U.S. correspondent of *The Guardian*, formerly *The Manchester (England) Guardian*.

His subject for the NRS meeting will be, How to do "America" in 13 hours.

Members of the NRS hospitality committee who have arranged the meeting are: Dr. and Mrs. James Aquavella, Mr. and Mrs. Allen C. Boucher, Mr. and Mrs. Herbert J. Mossien, Mr. and Mrs. McKee A. Palmer, and Mr. and Mrs. Robert B. Wolf.



Red Cross First Aid Course Offered Faculty, Staff

A Red Cross multi-media standard first aid course will be offered for faculty and staff Saturday and Sunday, January 26 and 27, by Student Health Services.

The course will be offered both days from 9:30 a.m. to 2:30 p.m. in the multi-purpose room of the College - Alumni Union, and will be taught by Ed Amos, emergency medical technician in Student Health Services.

Fee for the course is \$3 and anyone interested should contact Amos for registration information.

Engineering Profs Finish Multi-Media Course

Two RIT mechanical engineering professors have received a publishing contract for a textbook to support a series of videotapes they've produced for teaching a basic statics course.

Dr. Robert A. Ellson, associate professor, and Dr. William F. Halbleib, professor of the Mechanical Engineering Department of the College of Engineering, team taught on the 28 videotapes which premiered to a class at RIT during Fall Quarter 1973.

The West Publishing Company of St. Paul, Minn., will begin printing the supporting textbook and will assume part of the responsibility for advertising the videotapes along with the text.

Machine Failure

con't from p. 1

are that are causing the trouble, and up to now there has been no reliable way to make any useful measurements."

But through Rieger's project - which is being carried out with the assistance of the RIT Media Design Center - those forces are being measured for the first time.

Alfie Wicks of 269 Perkins Green, Henrietta, a research associate in Mechanical Engineering at RIT, designed and built Dr. Rieger a water table which simulates the flow of fluid through a cascade of blades and nozzles such as would be used in any piece of turbo-machinery.

Larry McKnight of 33 Crestline Drive, Avon, a photographer in the Media Design Center, is filming the flow with high speed movie cameras. Every one second of actual action will be seen for 1 1/2 minutes on the screen. Dr. Rieger and the team of experts he has assembled can watch every wave in the flow under simulated blade operating conditions.

"Some of the world's first results in studying this problem will come from our water table," says Dr. Rieger. The model cost \$20,000 to build and develop - - not much when compared with the hundreds of thousands of dollars it costs to make similar tests on actual machinery without getting the new knowledge the water table yields.

Dr. Rieger believes the project could take about five years of work for "quite a team" of people: engineers, scientists, mathematicians and photographers. The first stage of the project has been successfully completed. Dr. Rieger's team is waiting for the next stage to be approved by the Naval Engineering Center in Washington.

Meanwhile, the U.S. Air Force, which has a similar failure problem with its aircraft turbines, is also interested in the study, as are the Big 3 of the turbine industry - - Westinghouse, General Electric and Worthington Turbine.

Applications of the study go well beyond these giants, however, says Dr. Rieger. Down - time for a large turbine could cost a utility like Rochester Gas & Electric Corporation \$1 million a day in lost revenues, he says.

The first showing of the films McKnight made came at a conference in India over Christmas. Dr. Rieger spent four weeks lecturing at Indian institutes of technology and at heavy industrial plants on failure prevention in machinery.

POSITIONS AVAILABLE

As of our printing deadline the following staff positions were open at RIT. Employees interested in learning more about these jobs and/or applying for considerations should contact Personnel (x2424) for information or an appointment.

FULL - TIME GENERAL STAFF

- UPWARD BOUND, Secretary**, General office duties - typing, filing, answering telephone, greeting visitors, record keeping, H.S., some Business College preferred, 2 - 3 yrs. exp., Shorthand, 8:30 a.m. - 4:30 p.m.
- ASST' PROVOST OFFICE, Secretary** - Advanced secretarial work including dictation, minutes, typing, filing, budgets & phone communication. Acts as information resource person in absence of supervisor. Will also provide secretarial assistance to one faculty member. Transcribe minutes of standing committee of policy council. H.S. with additional education preferred & over 3 yrs. exp. in responsible secretarial position. 8:30 a.m. - 4:30 p.m.

PART-TIME GENERAL STAFF

- CCJCR, Secretary** - General clerical duties, typing answering phones, filing, H.S. or business college. 6 mos. experience. MTWT - 12:30 - 4:30, 5:30 - 7:30. Fri. 12:30 - 4:30

FULL-TIME HOURLY STAFF

- PHYSICAL PLANT' 1ST CLASS ENGINEER (2 positions)** - Operation & maintenance of the following: HTHW generators & accessories, make up water systems, medium pressure steam boilers & accessories, med. temperature hot water boilers & accessories, pumps, air compressors, combustion equipment, refrigeration equipment, reciprocating, absorption & centrifugal, aire systems. Knowledge of pneumatic controls. (Good health - use of all limbs) A,B, or C shifts.
- PHYSICAL PLANT' JANITORS** - General cleaning - previous experience preferred. Good health, use of all limbs. 6:00 a.m. - 2:30 p.m.

FULL-TIME GENERAL STAFF

- READING & STUDY CLINIC, Secretary** - Typing, dictation, telephones; receptionist duties, billings for the clinic. H.S. + 1 yr. prior exp. Shorthand & stenorette. 8:30 a.m. - 4:30 p.m.

FULL-TIME ADMINISTRATIVE STAFF

- PUBLIC AFFAIRS' Communications Associate** - communicating with various publics to support fund raising campaign & development activity. 5 - 10 yrs. exp., newspaper, magazine, public relations - sales promotion, fund raising. 8:30 a.m. - 4:30 p.m.

PART-TIME ADMINISTRATIVE STAFF

- COUNSELING CENTER' Psychometrist (On Time Card)** - Administer and score psychological test. Including reading instructions in manuals, timing accurately, and recording scores on chart. Ordering new test supplies and maintaining test files. Learn to administer individual intelligence tests. B.S. or B.A. psychology major preferred but not essential. 8:30 a.m. - 4:30 p.m. Thurs. & Fri.

FULL-TIME

- DEPT. CHAIRMEN' BUSINESS TECHNOLOGY, NTID** - Provide leadership in the maintenance of existing curricular offerings and identifies new curricular that relate to deaf students and the needs and requirements of employers. Coordinates evaluation and selection of instructional materials and media. Assists in preparing and monitoring budget, implementation of research projects, departmental liaison with internal and external public. 3 - 5 year experience in business, higher education/and or education of the

deaf. Masters degree is required. Ability to interact with deaf students is essential. Forward resumes to Dr. Jack R. Clarcq, Asst. Dean for Technical Education, Rochester Institute of Technology, NTID, 1 Lomb Memorial Drive, Rochester, New York 14623.

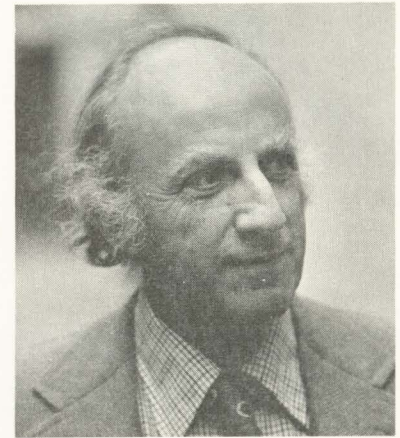
- ASSISTANT DEAN for DEVELOPMENTAL EDUCATION, NTID** - Responsible for developing & administering: living-learning programs for NTID students & NTID residence hall, Social-Cultural Development programs for NTID students, recreational programs for deaf students, Ph.D. in rehabilitative aspects of hearing impaired. Direct experience with postsecondary deaf students - 2 yrs. min. experience with residence living, preferably with experience in developing programs for student participation - 2 yrs. min. Ability to communicate fluently with deaf persons orally & manually. Forward resumes to: Dr. William Castle, Rochester Institute of Technology, NTID, 1 Lomb Memorial Drive, Rochester, New York, 14623.

- ASSISTANT PROFESSOR, Printing** - To initiate a new college-level bindery course utilizing a newly binders facility. To teach bindery management and operation. Experience in bindery management and operation required. College degree preferred. Starting September 1, 1974.

- MANAGEMENT CHAIRMAN' BUSINESS DIVISION** - A new position in the evening session of the college of continuing education. Will divide time between evening teaching, program development, adjunct faculty coordination and academic advising. Earned doctorate preferred with three to four years teaching experience. MBA acceptable. Knowledge of continuing education a plus. Rank and salary commensurate with background and experience. Twelve month contract with one month vacation. Position can be filled immediately, or at the beginning of Spring, Summer or Fall quarters. Send resume to: Dean Robert Pease, College of Continuing Education, Rochester Institute of Technology, One Lomb Memorial Drive, Rochester, N.Y. 14623

- ACCOUNTING CHAIRMAN' BUSINESS DIVISION** - In the evening session of the college of continuing education. Will divide time between evening teaching, program development, adjunct faculty coordination and academic advising. MBA - CPA required, preferable with three to four years experience. Twelve month contract with one month vacation. Position can be filled immediately or at the beginning of the Spring, Summer, or Fall quarters. Send resume to: Dean Robert Pease, College of Continuing Education, Rochester Institute of Technology, One Lomb Memorial Drive, Rochester, N.Y. 14623.

- EDUCATIONAL SPECIALIST, College of Science, NTID** - Coordinate and administer the NTID Educational Specialists team serving the College of Science. Administrative, teaching, industrial and knowledge of deafness helpful. Acts as a liaison between Educational Specialists team, the College of Science and other divisions of NTID. Doctorate in scientific field or equivalent educational experience. Salary dependant on background and experience. Send resume to: Dr. James Speegle, NTID, Rochester Institute of Technology, One Lomb Memorial Drive, Rochester, N.T., 14623.



Work/Study Program Big

In Future: Dr. Eble

"The thing you've been doing at RIT - maintaining a close relationship between the practical world of work and the world of study - is what other colleges are now being forced into... you're lucky you're at RIT," Dr. Kenneth Eble told faculty members at a lecture last week.

Eble, former director of the Carnegie Foundation's Project to Improve College Teaching and author of "Professors as Teachers," spoke on "College Teaching Today: Some Proposals," last Thursday.

His lecture was sponsored by the faculty council as the first in a series on faculty productivity and teaching effectiveness.

Eble said "there's not going to be much growth" in general higher education, particularly the liberal arts, over the next years, and said there's been a loss in faith in "ever - continuing education."

Tigers To Face Wesleyan In Eighth Tourney

Coach Bill Barey's basketball Tigers will face Roberts Wesleyan in the opening round of the eighth annual Lincoln First Basketball Tournament scheduled for the Rochester War Memorial Thursday and Saturday, Jan. 24 and 26. Pairings for the two-day tourney were announced this week.

The Tigers will play the 9 p.m. contest with Brockport facing St. John Fisher in the opening game at 9 p.m., Saturday with the consolation game at 7 p.m.

Last year the Tigers lost to St. John Fisher in the opening round then bounced back to topple Roberts for the consolation title.

EVENTS

Campus Night Life

Friday, January 18

8:30 p.m.—Phi Beta Gamma Party; Mixed drinks; beer, snacks, music, cash bar; Phi Beta Gamma House.

9 p.m.—Open party; Gleason E and F, 6th floor elevator lounge, Admission: Guys, \$1.50, Girls, \$.50.

Saturday, January 19

9-1 a.m.—Greaser Madness; Grace Watson; Julno Settenek and the Solid Gold; Admission \$.50; Beer \$.25.

Meetings

Friday, January 18

8 p.m.—Chamber Music Concert; Ingle Aud.; Sponsored by CUB.

Sunday, January 20

7 p.m.—Boswell Coffee House; Featuring Bill DeMarco, folk singer and guitarist.

Tuesday, January 22

4 p.m.—Question & answer session with Rabbi Levine; College Union, Rabbi Levine's office; sponsored by the Yehoshea Yablin organization to answer questions on programs, work, study and travel in Israel; Free.
7 p.m.—Stage Band; Conference Room G.
8 p.m.—Lecture with Dick Gregory; College Union Cafeteria; sponsored by CUB; \$.50.

Wednesday, January 23

8 p.m.—Outing Club; NRH South Lounge.

Thursday, January 24

12 noon—PBA monthly meeting; Featuring Mr. Merritt and Mr. James Papero talking on Job classification reviews and Affirmative Action at RIT; Multi-purpose Room; \$.25 for non-members; Contact: Betty Beck
6 p.m.—SOS-4; College Union Conference Room B.

7 p.m.—Centra; Fish Rec. Room.
4:30-6:30 p.m.—Happy Hour; Mezzanine Dining Room; Free Nibbles.

Movies

Friday, January 18

7:30 & 10 p.m.—"Tristana"—Talisman Film Festival; A young orphaned woman is taken in by her aging, lecherous guardian. He seduces her, but the corrupter becomes the victim of his own corruption; Ingle Aud.; \$1.

Saturday, January 19

7:30, 10 & 12—"The Savage Messiah"; Ingle Aud.; \$1.

7 p.m.—"Eighty Steps to Jonah"—Captioned Film Series; General Studies Aud.; Free.

Sunday, January 20

7:30 & 10 p.m.—"Le Boucher"—Talisman Film Festival; A butcher returns home after ten years in the army and begins a flirtation with a schoolteacher; Ingle Aud.; \$.50.

Wednesday, January 23

3 & 7 p.m.—"Simon in the Desert"—Library Films; Library, A-100; Free.

Thursday, January 24

9 p.m.—"Vampire Lovers"—Cellar Films; in the Cellar; Free.

Sports

Friday, January 18

8p.m.—Wrestling—RIT vs. St. Lawrence; Away.

8 p.m.—JV Wrestling—RIT vs. St. Lawrence; Away.

Saturday, January 19

2 p.m.—Swimming—RIT vs. Potsdam & St. Lawrence; Away.

3 p.m.—Wrestling—RIT vs. Clarkson; Away

3 p.m.—JV Wrestling—RIT vs. Clarkson; Away

6 p.m.—JV Basketball—RIT vs. U. of R. Away.

8 p.m.—Basketball—RIT vs. U. of R.; Away.

Sunday, January 20

7:30 p.m.—Hockey—RIT vs. Brockport; Away.

Tuesday, January 22

6 p.m.—JV Basketball—RIT vs. Oswego; HOME.

8 p.m.—Basketball—RIT vs. Oswego; HOME.

Wednesday, January 23

7 p.m.—Wrestling—RIT vs. Ithaca; Away.

7 p.m.—JV Wrestling—RIT vs. Ithaca; Away.

7 p.m.—Swimming—RIT vs. Alfred; Away.

8:15 p.m.—Hockey—RIT vs. U. of Buffalo; HOME.

Thursday, January 24

7 & 9 p.m.—Basketball—Lincoln First Tourney (Brockport, Roberts, Fisher and RIT); Away (Roch. War Memorial).

Special Events

Friday, January 18

12 noon-5 p.m.—NYS CPA's; Multi-purpose Room; Contact: Bill Gasser at 2312.

Monday, January 21 through Friday, January 25

All Day—Design & Analysis of Industrial Experiments; Gannett BBuilding; Contact: Penny Gentner at 2757.

Wednesday, January 23 to Friday, January 25

All Day—Color Seminar for Pressmen; Gannett Building; Contact: Penny Gentner at 2757.

Exhibits

January 18

MFA Gallery; 3rd Floor, Gannett Building; Exhibition of gum dichromate and cyanotype prints by Judith Steinhauer, a former Photo Instructor at RIT; 9-4 daily.

Now through February 20

International Museum of Photography, George Eastman House; Exhibition of 77 hand-colored photographs made in the first quarter of the 20th century; in the Brackett Clark Galleries.

Now through February 4

Bevier Gallery—Exhibit of 19th Century American Quilts and Coverlets; 9-4 daily. Special lecture on January 18 at 7 p.m. with evening exhibit hours from 7-10.

Now through January 25

Rochester Savings Bank; 47 West Main Street; Exhibit of color portrait paintings by Mr. Linn Duncan, a faculty member at RIT's College of Graphic Arts and Photography; 10-3 p.m. daily.

Around Town

Friday, January 18

7 p.m.—Suburban Inn, Jacob's Downtown Trolley, Rochester, N.Y.

7:30 p.m.—Lincon Grange, Swamp Root String Band, Lincon, N.Y.

7 p.m.—Spencerport Village Inn, Sebastian, Spencerport, N.Y.

7:30 p.m.—Batavia Community College, Slim Chicken and the Midnight Pickers, Batavia, N.Y.

7 p.m.—Varsity Inn, Splash, Geneseo, N.Y.

7 p.m.—Vital Spot, Rush, Geneseo, N.Y.

Saturday, January 19

8 p.m.—Killborn Hall, Eastman School, Ron Carter, Bass Guitar, Rochester, N.Y.

Sunday, January 20

8 p.m.—Auditorium Theater, Black Oak Arkansas, Rochester, N.Y.

Saturday, January 26

8:15 p.m.—Monroe County Dome, Bill Brown Concert Bands, Ocean, Funky Heavy; Rochester, N.Y.

News and Events is published weekly during the academic year by Rochester Institute of Technology, Communications Services, 464-2330, and distributed free of charge to the Institute community.

Rick Kase, editor; John Alibrandi, Cathie Davis, production assistants; Events calendar produced in cooperation with Reporter magazine.