



December 2-8, 1974

New Astronomy Observatory Designed, Built By Students



Tom Schaefer (left) and Dave Baird adjust eight-inch reflector telescope.

Library Seeks Faculty, Staff Writings For Bibliography

The Wallace Memorial Library is preparing its second supplement to "Faculty Writings, 1951-1972," a bibliography. Included will be faculty and staff writings completed during 1974, writings by new faculty and staff members, and writings not previously reported. Contributors are asked to list

information about awards, exhibits, shows, and patents for inclusion in this annual bibliography.

Please send your list to Mrs. Gladys Taylor, as soon as possible. Forms have been sent to each dean's office. If you do not receive a form, please call 464-2561.

You don't have to take too many steps behind the RIT College of Science to find peace, quiet and open space.

In the weeds that have grown up in the fields, a narrow path's been carved. A wooden footbridge has been built across Red Creek. Planks have been thrown across other streams running through the campus.

The person who walks the path and crosses the water comes after about a half a mile to a 16-foot square building of corrugated metal. The roof rolls off on a runner, allowing RIT students to view the stars with the aid of an eight-inch reflector telescope sitting on a cement platform in the middle of the room.

The optical astronomy observatory is the work of College of Science students.

David Baird, 21, son of Mr. and Mrs. Louis Baird of 521 E. Manoa Road, Havertown, Pa., a fourth-year physics student and a 1971 graduate of Haverford Senior High School, and Thomas Schaefer, 21, son of Mrs. Geraldine Schaefer of 351 Van Duzee St., Watertown, N.Y., a fifth-year physics student and 1970 graduate of Watertown High School, spent a good part of the summer constructing the observatory.

Transporting cement blocks, cement, steel and wood without roads was a chore. With permission from a farmer to cross his fields, and a borrowed flat-bed trailer and tractor, the students carried the heavier materials. But a good part of the materials were carted on

wheelbarrows through the path the students cut with an old scythe, across the footbridge they had to refurbish, and over the planks.

Their efforts weren't without help. The College of Science paid for the materials, except those the students were able to talk construction companies into donating. RIT's Physical Plant donated sand. Other departments lent welding equipment and tools. Students from all over campus donated their time.

"People like to help when it's a student project and they see it's not something that's done everyday," Tom comments.

The observatory was designed by another physics student, Kevin Kirsch, son of Mr. & Mrs. James M. Kirsch, of 1019 Chestnut Ridge Road, Kirkville, N.Y., a 1972 graduate of Bishop Gimes High School. It's been under construction six months.

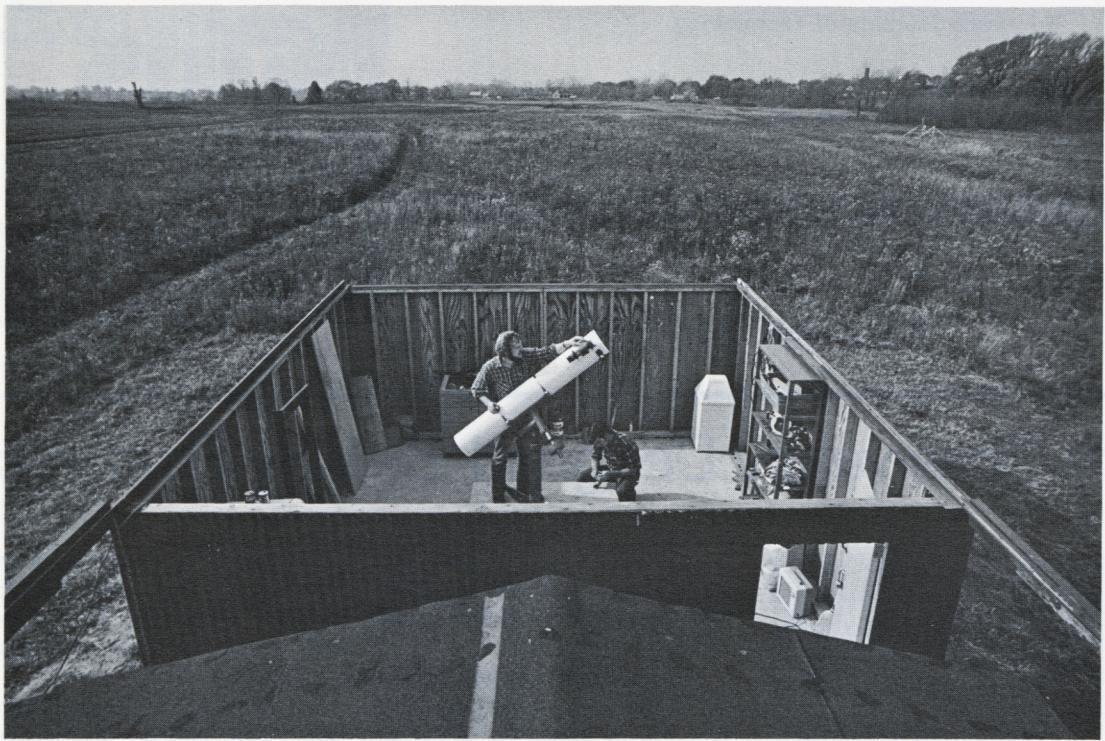
The observatory's two major functions are photometric analysis--gauging the magnitude of stars--and spectroscopic analysis--using a spectograph to tell the elements in a star.

Do the students expect to discover anything new in their observatory?

"There's a lot of work in variable stars in which amateurs are always discovering new things," Dave answers.

In searching for a place to put the observatory, the students rejected the roof of the College of Science and found the present site, the highest point in

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Roof of observatory rolls off on a runner.

Observatory On Highest Point In Field

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the field, ideal. The optical astronomy observatory is about 200 feet from a radio astronomy observatory, also operated by physics students.

Peaceful and quiet, the location is a nice place to be for star gazing and just relaxing, the students say.

The College of Science had been intending to build an

optical astronomy observatory, but they beat the college to it, the students say. They're still hoping an even bigger observatory with a 14-inch telescope will be built someday.



NTID Dean William E. Castle (left) and Dean Paul Bernstein of the College of General Studies listen to Hans Zandvoort, assistant professor in the College of General Studies, discuss the painting he presented as a personal gift to NTID.

"I've taught deaf students in my classes and admire the work being done at NTID to educate the deaf," Zandvoort said.

The painting, done in acrylics, shows letters spelling NTID and a hand forming 'I love you' in sign language.

Women's Club Sets Christmas Luncheon

Women's Club members and guests are invited to the club's annual Christmas luncheon and bazaar Saturday, December 7 at 11:30 a.m. at the Century Club on East Ave.

Club officials said members are asked to bring items for sale at the bazaar.

Reservations should be made by calling Carolyn Haines at 223-2117 or Pat Jones at 377-6952.

You Should Have Been Invited

If you received a blank sheet of green paper in your pay envelope last week, it was meant to be an invitation to the Institute Holiday party, Friday, December 13.

Due to a printing error, some faculty and staff got blank sheets of paper instead of invitations.

The party is set for 8p.m. to 1a.m. in the College Alumni Union, and will include a variety show, various sports activities, and a cash bar.

Reservations should be made by calling the President's office.

Yugoslavian Prof Visiting Engineering

Dr. Vilmos Simon, assistant professor of mechanical engineering at the University of Nove Sad in Yugoslavia, is at RIT's College of Engineering for 10 months as a Senior Fulbright-Hays Fellow.

Dr. Simon is continuing his research on the theory and manufacture of gears and globoidal worm gears. He arrived Sept. 1.

Dr. Simon is the author of 13 technical papers dealing with advanced problems of cutting tool geometry and production.

RIT was recommended as a possible host institution to the Committee on International Exchange of Persons by William Ingraham of the American Gear Manufacturers Association.

Grant Deadlines

The Office of Grant & Contract Administration reminds all faculty, staff and students that the following are deadlines for proposal application. Since Institute review and approval must be accomplished prior to mailing a proposal, applicants are requested to forward their proposals to Grants Administration one week before the listed deadline.

Guidelines and application forms for listed programs are either on hand in, or on order by Grant & Contract Administration Office. For additional information and/or assistance, please call ext. 2388.

NATIONAL SCIENCE FOUNDATION

Dec. 2, 1974 - Engineering Research Initiation Grants (74-32).

Dec. 2, 1974 - Graduate Fellowships (75-12).

Dec. 13, 1974 - Instructional Scientific Equipment Program (75-15).

Dec. 15, 1974 - Improved Dissemination and Use of Scientific and Technical Information (74-38).

Dec. 20, 1974 - Postdoctoral Energy-related Fellowships (\$12,000 Research stipends for scientist & engineers & \$1,500 Max. travel allowance).

Jan. 1, 1975 - Energy Related Graduate Traineeships (75-20).

Jan. 6, 1975 - Energy Related Graduate Traineeships (75-20).

Jan. 15, 1975 - Senior Foreign Energy Scholars Program (75-38).

Feb. 7, 1975 - Faculty Fellowship in Science (applications of science & social problems - 3-9 mos. stipends for faculty with minimum of 5 yrs. teaching).

March 1, 1975 - NATO Senior Fellowships in Science.

This program is oriented toward the study of new scientific techniques and developments during short visits abroad, awards to be announced on May 15, 1975.

OPEN - Science Information Grants (Research Development & demonstration projects to improve scientific & technical information service.)

U.S. DEPARTMENT HEW, OFFICE EDUCATION

Jan 15, 1975 - Preliminary Proposal for Fund for the Improvement of Postsecondary Education. If approved Final proposal due March 17th, 1975.

Jan. 15, 1975 - Special Focus

Program - Proposals related to a particular educational need or approach deemed important & timely target of opportunity.

BUREAU OF EDUCATION FOR THE HANDICAPPED

Dec. 4, 1975 (MAIL) - Student Directed Research Grants (Grants average \$5,800).

Jan. 2, 1975 - (MAIL) - Field-Initiated Research Grants for Faculty.

PUBLIC HEALTH SERVICE

Jan 25, 1975 (MAIL) - Public Health Service Research Grants - to be reviewed in June '75 for Sept. 1, 1975 beginning date.

U.S. INFORMATION AGENCY

Dec. 1, 1974 - STUDENT Grants up to \$3,000 for production of sound films or videotapes for foreign distribution - films to be documentary dramatizations or animation.

NATIONAL ENDOWMENT FOR THE HUMANITIES

Jan 1, 1975 - Education Programs, Program Grants, beginning after August 1, 1975. Development Grants beginning after August 1, 1975.

Jan 24, 1975 - Public Programs, Projects beginning after July 15, 7, 1975 - Fellowships. Summer seminars for College Teachers 1975.

March 15, 1975 - Education Programs. Education Projects Grants beginning after Dec. 1, 1975.

April 1, 1975 - Youthgrants, Projects beginning after Sept. 1, 1975 (Student Directed Research).

April 17, 1975 - Public Programs, Projects beginning after Oct. 15, 1975.

NATIONAL ENDOWMENT FOR THE ARTS

Dec. 20, 1974 - Draftsmen Fellowships FY75.

Jan. 1, 1975 - Works of Art in Public Places, Group II and Group III FY75.

Master Draftsworkers Apprenticeship Program FY75.

Jan. 15, 1975 - Photography-Exhibition Aid FY75.

Visual Arts in the Performing Arts FY75.

Feb. 1, 1975 - Artists Services FY75.

May 30, 1975 - Photographers Fellowships FY76.

Bausch & Lomb Donates To 150th Anniversary Campaign

RIT's 150th Anniversary Campaign has received a \$200,000 gift from Bausch and Lomb Foundation, Inc., campaign Co-Chairmen Walter A. Fallon and Maurice R. Forman announced this week.

The unrestricted gift will be applied to the Institute's permanent endowment.

Arthur L. Stern, chairman of RIT's Board of Trustees praised the company for its years of generous leadership and financial support to RIT, and noted the historical relationship between the two institutions.

RIT's predecessor, Mechanics Institute, was founded in 1885 by Civil War Captain Henry Lomb and a group of other Rochester industrialists to provide technical education required to fill the city's needs for skilled technicians.

Capt. Lomb and John J. Bausch had founded the optical firm, Bausch and Lomb, in Rochester in 1853. Capt. Lomb is said to have been concerned about the quality of food his employees were eating and urged Mechanics Institute to develop a program in domestic science. That program has continued throughout the Institute's history. RIT's department of Food Administration now has 135 students enrolled, and among the facilities they use is the Henry Lomb Memorial Dining Room.

Capt. Lomb served as Mechanics Institute's first chairman of the board, a role later assumed by his cousin, Carl Lomb, after Mechanics Institute

had merged with Rochester Athenaeum. The main roadway leading to the new RIT campus in Henrietta, Lomb Memorial Drive, is named in memory of both men.

Carl Lomb was one of seven recipients of the Institute's highest honor, the Founder's Award.

Another recipient who played a vital role in the development of both institutions is M. Herbert Eisenhart. Mr. Eisenhart, a retired director and former president and chairman of the Board of Bausch and Lomb, has served on RIT's Board for 53 years. He is currently an honorary trustee. Bausch and Lomb President, Jack Harby, is also a member of the RIT Board.

The firm has given major support to RIT's Co-op program which allows students to gain on-the-job experience while working toward a degree. Bausch and Lomb has been a participant in the program since it was established in 1912. The program was the first of its kind in the state and is the third oldest in the nation.

Over 300 RIT alumni are employed by Bausch and Lomb and nearly 100 employees attend the Institute's evening college. Twelve students in RIT's M.B.A. program are employed by the firm.

Of special interest to the company is a new program in optical finishing currently being developed at the National Technical Institute for the Deaf on RIT's campus.

News and News Makers

Dr. Roy I. Satre, Dean of the Institute College, has been appointed a member of the new Manpower Services Council of New York State....The Kern Office is located in the Northwest corner of the main floor, Wallace Memorial Library. The secretary is Ms. June Kern. She will be in the office from 1:00-5:00p.m. during the week and can be reached at 2129. From 9:00-1:00p.m., the Instructional Development Secretary will take messages at 2240....Dr. David E. Hooten Director of the Summer Session, recently presented a paper entitled "Myths, Lies and Frauds in Evaluating Summer Sessions" to the 11th Annual Conference of the National Association of Summer Sessions meeting in Minneapolis....

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Printing School Enrolls Record Number Of Students

A record 550 students are enrolled in the School of Printing this fall, an increase of 10 percent over last year.

And, according to Walter Horne, assistant to the director of the School of Printing, if present employment trends continue, these printing students will have little trouble getting jobs in the industry after graduation. An average of 60 companies come to RIT each year to interview the approximately 80 printing graduates who register with the placement office. Many of these companies want to hire two or three graduates. As a result, most printing students have jobs lined up well before graduation.

Why the increased interest in printing education? "As with other career-oriented educational programs," Horne explains, "the printing program at RIT is experiencing growth due to a renewed interest in career education. While some liberal arts programs are suffering, the idea of a career-directed education is more fashionable than ever. This has undoubtedly contributed to the current success in enrollment." Horne cites other factors too, including RIT's growing reputation as an educational institution and the effort the school has made in recent years to promote printing as a career choice.

"It all adds up to greater demand for admission into the School of Printing and the first waiting list we've ever had for our school," says Horne.

Horne attributes industry's



demand for printing school graduates to the fact that RIT has geared its programs to the changing technology of the printing industry. He cites as an example the revolution now taking place in the printing of newspapers. "We're the only school you can look to and find solid evidence of an emerging program encompassing this new technology. Another example is our all-new bindery laboratory which will enable us to offer a greatly improved program in this area."

RIT's School of Printing is the largest degree-granting school in its field in the United States. In addition to newspaper production management, it offers graduate and undergraduate programs in such areas as design and typography, book design and production, composing room procedures, lithographic technology, reproduction photography, packaging, computer applications, estimating, financial management, and production management.

Due to the Thanksgiving holiday, there is no calendar of events in this issue. The calendar will resume with next week's issue.

Graphic Arts Will Hold Quality Seminar

The College of Graphic Arts and Photography will hold an intensive five-day seminar on Quality Control for Photographic Processing February 17-21, 1975.

Presented in cooperation with the McGhee professorship, the program will provide specialized knowledge in statistical, chemical, and sensitometric methods for control of black-and-white and color photographic processes. It is intended for photographic dealers and finishers, professional persons who are engaged in areas where photography is being used as a research tool.

For more information about registration contact William Siegfried, training director, Graphic Arts Research Center at 464-2758.

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