

NEWS & EVENTS

Rochester Institute of Technology

Vol. 12, No. 27, August 14, 1980

Scholarships Benefit SAIS Students

The granddaughter of Rochester industrialist Frank Ritter has established a memorial scholarship in his name at RIT for students enrolled in education and training programs in applied industrial studies.

Helen Shumway Mayer, Greenwich, Conn., has donated a \$150,000 endowment fund to honor her grandfather, a founder of Ritter Pfadler Corp. and a member of the first Board of Trustees of Mechanics Institute at the time of its founding in 1885.

According to Senior Vice President D. Robert Frisina, the first grants from the Frank Ritter Memorial Scholarship

fund have been made to students of the new School of Applied Industrial Studies (SAIS). "It is especially appropriate that the first students to benefit from the Frank Ritter scholarships are enrolled in SAIS, which is the contemporary successor to the original Mechanics Institute of which Mr. Ritter was a founder," Dr. Frisina said in announcing the scholarships.

The winners are David Cumbo, 496 West Side Dr., Rochester; Thomas Jones, 555 Magee Ave., Rochester; and David Schmucker, 200 Fairfax Rd., Rochester.

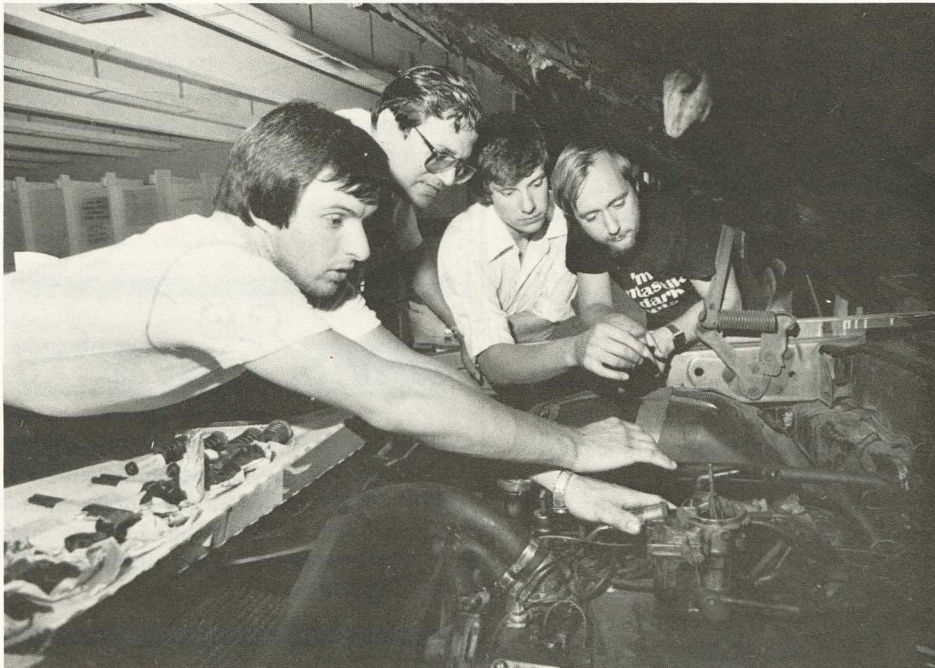
The first award of the Daisy Marquis Jones Foundation Scholarship for women

enrolled in SAIS has been made to Lynn R. Rowling of 25 Raeburn Ave., Rochester, a graduate of Monroe Community College and former food service manager for Livonia Central Schools.

In addition the establishment of the Karl F. Fuchs Scholarship Fund in Applied Industrial Studies has been announced. Mr. Fuchs, vice chairman of Gleason Works and formerly president of Alliance Tool and Die Corp. before it was acquired by Gleason, provided an endowment to the Institute to assist students in machine tool technologies

continued on p. 8

ME Students Soothe 'Car Guilt'



Left to right: Barry Moore, B. V. Karlekar, Mike McVea, John Moore and their patient, Karlekar's '71 Olds

Torn between a desire to join the zealous rush to gas saving smaller cars and a conflicting need to keep the full-sized vehicles they already own, many drivers have felt the pangs of a new complex that has been described as "car guilt."

Faced with deepening guilt and a shrinking wallet when it came to driving his favorite 1971 Oldsmobile sedan, Bhalchandra Karlekar, head of the mechanical engineering department,

continued on p. 8

President Rose Injured

President Rose was involved in an accident while on vacation in Vermont. He suffered a multiple fracture of the upper left leg and is progressing well. He is a patient in the Medical Center Hospital of Burlington, Vermont.



T. ALAN HURWITZ AND WIFE VICKI

Assoc. Dean Hurwitz To Lead NAD

Dr. T. Alan Hurwitz, associate dean of NTID, was recently elected president-elect of the National Association of the Deaf (NAD) at the Centennial Convention in Cincinnati by delegates representing each state association and by the executive board of NAD.

Hurwitz will serve on the NAD Executive Board for six years and will be sworn in as the NAD president during the NAD convention in St. Louis in 1982 for a term of two years.

Hurwitz will become the 23rd president of the century-old NAD, established in 1880 with the stated purpose "to bring the deaf of the different sections of the United States in close contact and to deliberate on the needs of the deaf as a class." Today NAD provides information, services, legal counseling and action, and leadership for all

hearing-impaired Americans in the broad areas of communication barriers, education, legal rights, rehabilitation, and consumer representation and involvement in all aspects of society.

Hurwitz is responsible for NTID's Educational Support Service Programs, which include interpreting, notetaking and tutor training programs, teacher effectiveness training, educational research and development, and educational support services for deaf students through RIT. He has been a staff member since 1970.

He has also been active in numerous professional and civic organizations, serving as president of New York's Empire State Association of the Deaf (ESAD) since 1975 for two terms and as a member of the Executive Board of NAD for three years since 1977.

NTID Classes Set For Staff

The Division of Communication at NTID offers the following courses in Simultaneous Communication for staff (and intern) instruction. Simultaneous Communication involves the use of speech and manual communication (signs and fingerspelling). These courses will run from September 15 through November 7. Evaluations will take place November 10 through 14.

Intensive Sign Language

9:00 - 12:00 M, W, F

Basic Communication I

8:30 - 10:00 M, T, W, Th

11:00 - 12:30 M, T, W, Th

2:00 - 4:00 M, W, F

Basic Communication II

8:30 - 10:00 M, T, W, Th

2:00 - 4:00 M, W, F

Basic Communication III

11:00 - 1:00 M, W, F

2:00 - 4:00 M, W, F

Basic Review

12:30 - 2:00 T, Th

Conversational Signing (Intermediate I)

11:00 - 12:30 T, Th

Conceptual Signing (Intermediate II)

12:30 - 2:00 M, Th

Sign as a Teaching Tool (Intermediate III)

11:00 - 12:30 T, Th

Class registrations, formal requests for tutoring and any questions regarding classes should be directed to Karin Blood, 60/2037, Ext. 6497. Registration will end August 31. Registrations and room numbers for all classes will be confirmed the week of September 8.

NEWS & EVENTS

Published weekly on Thursday during the academic year by the Communications Office at Rochester Institute of Technology and distributed free of charge to the Institute community. For information call 475-2750.

R. Roger Remington, professor of communication design in the College of Fine and Applied Arts, has written and art directed "A Career Guide to Graphic Design." This folder/poster is designed as an information piece for high school students, art teachers, and guidance counselors.

Dr. Robert Clark, dean of the College of Continuing Education, has been appointed to the Vocational Education Advisory Council of the Greece Central School District.

Dr. John S. Shaw has been named acting head of the physics department in the College of Science. An associate professor, Shaw has been with the college since 1963. He previously headed the department from 1972-76.

Julie Cammeron, **Lawrence Mothersell** and **Peter Seiler** of NTID's General Education programs attended the recent General Education Models meeting at the University of the Pacific in Stockton, Ca., to present a slide show. Produced by **Cammeron**, **Greg Emerton** and **Dominic Peroni**, it depicts an experiential view of deafness.

Dr. Joseph L. Lippert, associate professor in the chemistry department, has published an article "Laser-Raman Investigation of Lysozyme-Phospholipid Interactions" in *Biochimica et Biophysica Acta*, 599 (1980). Co-authors of the paper were two graduate students, Regina M. Lindsay and Richard R. Schultz.

E. Leonard Gumbs, assistant director of Student Activities/Greek Affairs, has been elected to a three-year term on the Board of Directors of the Community Partners for Youth in Rochester, a program matching youth to concerned adult volunteers. The volunteers are screened and trained to provide warm, helpful companionship. Gumbs recently accepted the position of chairman of the Public Relations Committee.

Dr. Y. Stephen Yamamoto, associate professor and coordinator of Experiential Learning, has described the chemistry co-op program in an article in *Journal of Chemical Education*, 57 (1980). In addition, a session on this subject was given at the Sixth Biennial Conference on Chemical Education held at RIT in June.



THE RIT FACULTY AND STAFF
ARE INVITED
TO THE
PRESIDENT'S ANNUAL DINNER AND DANCE

Wednesday, September 3
(Orientation Week)

Cocktails: 6 p.m.
Buffet Dinner: 7 p.m.

College-Alumni Union
After-Dinner Dancing: The Roger Eckers Orchestra

All faculty and staff are invited to participate in the annual President's Dinner and Dance during Orientation Week. The purpose of the buffet dinner and dance is to give parents an opportunity to meet informally with you, the faculty and staff of RIT. Those who have attended in the past have enjoyed meeting the parents of new students. It is also a good opportunity to spend an evening with your colleagues.

The cost of the buffet dinner is \$11.00 per person. Please make your checks payable to Rochester Institute of Technology, or fill in your account number and we will charge your department. Upon receipt of the completed form (below) and your check or account number, tickets will be forwarded to your home address.

We look forward to seeing you on the evening of September 3.

Please reserve _____ tickets for the President's Buffet Dinner and Dance

Name _____

Address _____

City/State _____ Zip _____

Check enclosed for \$_____ for _____ tickets/\$11.00 each. Please make checks payable to Rochester Institute of Technology.

Department Account Number _____

Office use only
Ticket No. _____

Date: _____

RETURN TO: **Ann Hayes, Director**
Orientation and Special Programs





WATS New to RIT

Started August 7:

- * All direct dialed long distance (WATS) calls are placed by dialing access code "7" + 1.
- * All operator-assisted long-distance calls are placed by dialing access code "7" + 0. WATS rates will not apply.
- * If you forget and dial "9" + 1 to place long distance calls, you will receive a busy signal.
- * Dial access code "9" + 1 + 800 for all toll-free calling numbers.

If you have questions, call x2843 or 6190.

John F. Adams Named Acting Director

John F. Adams has been named acting director of RIT's School of Engineering Technology (SET) by Dr. Roy I. Satre, vice president for academic affairs. SET is one of the five departments that make up Institute College, where Satre formerly served as dean.

Adams will replace the school's first and only director, James Forman, who has been named director of the School of Applied Industrial Studies. A search committee has been formed to look for a permanent director.

Adams has served as staff chairman of the electrical engineering technology department since its inception in 1970. During a leave of absence last year with the National Science Foundation, he was program manager of the Instructional

Scientific Equipment Program in Washington, D.C.

A graduate of Clarkson College, Adams taught there for 14 years before coming to RIT. He also worked for the General Electric Corp. and served as chief engineer of the R. E. Dietz Co. in Syracuse.

"The School of Engineering Technology is one of the most rapidly growing programs at RIT," says Adams. "Our excellent job placement record demonstrates how well our graduates are received by industry."

John Stratton will assume the position of acting staff chairman of the Electrical Engineering Technology Department during Adams's time as acting director.

Housing Picture Brightens

RIT officials are looking at a slightly brighter housing picture now than they were a few weeks ago.

Economic conditions, an increase in enrollment and the desirability of on-campus living all put a squeeze on available campus housing space.

As one part of its solution to the housing shortage, RIT asked Rochester area residents to notify the Institute if they had space available to rent out to students.

"We are delighted with the response," says Ed Ingerick, manager of apartment housing. "The community response goes a long way toward alleviating the housing shortage for the fall quarter."

Notifying the Rochester community is just one facet of what RIT officials are doing to help make sure all students will have a place to live.

To determine how many students will be arriving on campus this fall without a firm commitment on housing, either on- or off-campus, housing officials called more than 300 students on waiting lists for apartment housing to tell them they were still on a waiting list.

Almost half of the students called had already found housing space; the other half was still looking. Using those figures, officials estimate that, of the slightly more than 200 students they were unable to reach, about 44 percent would need assistance in locating housing.

The projected total number of students who needed housing after the July 21 phone survey was 236.

More than 100 persons from the community have called Ingerick's office offering rental space for students, and people are still calling. Ingerick's office will pass along names of prospective landlords to students asking for help in locating rentals.

Once it can be determined how many students, if any, are still in need of housing, housing personnel will decide what additional measures to take.

Tentative plans at present include the possibility of renting space at area motels.

Calligrapher Designs for Computers



Herman Zapf and students in calligraphy class

Consultant Grant For General Studies

RIT's College of General Studies has been awarded a consultant grant of \$7,037 from the National Endowment for the Humanities to assist the college in curriculum development.

The grant will provide the consultative services of Dr. Francis L. Broderick, Commonwealth Professor of History at the University of Massachusetts and former chancellor of the University of Massachusetts at Boston.

Dr. Broderick has visited RIT this summer for meetings with the General Education Models (GEM) Task Force, which was established by the college in 1978 to evaluate current curriculum. Under the terms of the grant, Dr. Broderick will return to RIT several days each month through this fall to work with GEM and the General Studies faculty on their final proposals for a new curriculum. It is the goal of the college to implement the new curriculum in fall 1981.

In announcing receipt of the grant, Dr. Mary Sullivan, dean of the College of General Studies, praised Dr. Broderick's selection by NEH for the consultancy. "We had hoped for a consultant with a firm professional base of teaching in a humanities discipline," she said. "Dr. Broderick's wealth of experience as a teacher and as an administrator exceeds our expectations. His knowledge and practical insights have been much appreciated by the faculty who have worked with him. We are grateful to the National Endowment for making his participation possible."

Before his appointment as chancellor in 1968, Broderick had served as dean, Lawrence and Downer College, Lawrence University; director, Lawrence German Study Center, Bonnigheim, Germany; director, Peace Corps, Ghana; and early in his career as instructor in history at Princeton University, University of Iowa and Phillips Exeter Academy.

Hermann Zapf, the world's foremost living designer of typefaces, is once again visiting the RIT campus; this time to instruct one class in alphabet design for photo composition and another in calligraphy. This is Zapf's second trip to RIT this summer; the first was to teach a two-week course in typographic computers.

Zapf is perhaps best known for his work in the design of typefaces and his progression into digital storage work. He is currently working with Stanford mathematician Donald Knuth on "metafont," the character design for a complicated computer dealing especially with mathematics.

Out of this, Zapf said, is coming a program concerned with making new typefaces especially for mathematical use. Zapf is currently designing "several hundred characters" for use by the American Mathematical Society, based in Providence, Rhode Island.

A native of Nuremberg, Germany, Zapf said his initial love was for electrical engineering, but due to the political situation in Germany at that time, he could not attend the local institute of technology to gain any engineering training. Instead, he entered the graphics field, and now, with his entrance into the field of computerization, has connected his design work with his dream.

A faculty member at RIT since 1976, Zapf teaches two sessions each summer.

While the future of type design may lie with computers, Zapf said that "people are needed for their creative ideas. They need to guide the computers in the right direction."

He is a trustee of St. Anselm's College, a member of the editorial board of *Liberal Education*, a charter member of the American Association for the Advancement of the Humanities, formerly a member of the Overseers Visiting Committee on General Education at Harvard University, and the author of several books and numerous publications.

Major Role for RIT In Xerox Employee Ed.

Xerox Corporation and RIT have announced a unique consulting agreement. The agreement for the Xerox Continuing Education Continuum calls on RIT to assist Xerox in providing continuing career education for the corporation's professional technical personnel in its North American Manufacturing Division, based in Webster.

RIT will receive \$100,000 to manage the 18-month program.

"This is an imaginative program," says Dennis C. Nystrom, dean of Institute College. Nystrom explains that although there have long been agreements between industry and institutions of higher learning, the Xerox Continuing Education Continuum is among the first, if not the first, to base a continuing career education program on an industry's needs without college credit or continuing education units.

"Before the continuum," says Nystrom, "much continuing career education for employees was determined by what colleges taught. This situation was not especially beneficial to business and industry as it didn't always offer employees what employers felt they needed to know. Somehow colleges, which are responsible for curriculum content, and industries, which have specialized needs, have to come together in various collaborative arrangements."

"The idea of the continuum," says Norman Deets, manager of personnel at the Xerox Division, "is to provide an opportunity for professional personnel to continue their education in an ongoing way and to provide recognition for employees who do so."

Xerox has identified the professional development needs of its employees. RIT will develop curriculum to go along with those needs.

In addition to designing and managing the continuum, RIT will select and evaluate faculty, determine how and where courses will be taught, relate content of classes to overall objectives and work with Xerox personnel on how to control the learning process and how to measure the learning that goes on.

Both Nystrom and Ralph Stearns, an associate professor and director of experiential learning for the College of Engineering in the Career Education

Division, will assist in managing the program at Xerox's Manufacturing Division in Webster. They will work with a full-time project manager who will be hired by RIT.

Eisenhower Promotion

Mary Ann "Cookie" Campbell is the new coordinator of Campus Life on the Eisenhower campus of RIT. She will coordinate services in the college residence halls and take an active role in organizing and promoting extracurricular activities for students. As a professional member of the Office of Student Affairs at Eisenhower, she reports to Dean of Students David L. Dresser.

Dr. Dresser said of the appointment: "It was the happy ending of a ten-week national search to fill this position. It represents a well-deserved promotion for her, and I am sure that all who know her will approve. Eisenhower is fortunate to have a person of such caliber in this position."

Head resident and student resident advisors in Eisenhower's ten residence halls will report to Campbell, and she will have responsibility for supervising all aspects of a residence program which contributes to the education of Eisenhower students.

Her role in extracurricular student activities will put her in regular contact with student clubs and organizations. She will supervise student leaders in the operation of the College's Red Barn (rathskeller), Student Union and Film Series, and she will assist the Artist and Lecture Committee which each year brings noted performers and speakers to the Seneca Falls campus.

A Seneca Falls resident since 1969, Campbell has been head resident of Curtis Residence Hall on the Eisenhower campus for the past 19 months. She was head resident in the College's Slater Residence Hall for the 1976 Fall Term. She is a graduate of St. Mary's College in Notre Dame, Indiana.

NEXT ISSUE

NEWS & EVENTS

Teaching Effectiveness Day

September 2

SPAS Exhibit In Finland

Works by 16 alumni of the School of Photographic Arts and Sciences (SPAS) are currently on exhibit in the Satakunta Museum in Pori, Finland. The first international show of SPAS alumni, it is designed to commemorate SPAS's 50th anniversary of dedication to excellence in photographic education.

Among the exhibitors in the show are Jerry Uelsmann, professor of art at the University of Florida at Gainesville; Carl Chiarenza, chairman of the art history department at Boston University; Abigail Perlmutter, professor at Miami Dade College, Miami; Tom Muir Wilson, associate professor, SPAS; Owen Butler, assistant professor, SPAS; Ed Meyers, executive editor, *Popular Photography*; Ralph Hattersley, contributing editor, *Popular Photography*; Pete Turner, photographer; Charles Arnold Jr., professor SPAS; George Daniel Nan Jr., associate professor and chairman of the department of photography, Virginia Commonwealth University; Ron Talbot, Light Impressions Corp.; Nile Root, associate professor, SPAS; Bonnie Gordon, assistant professor, the State University of New York at Buffalo; Richard Margolis, professor, Nazareth College; Bruce Davidson, Magnum Photos; and Andrew Davidhazy, associate professor, SPAS.

The show, sponsored by Finnfoto, will be on exhibit the entire month of August.

PROFILE

Welles Sees High Potential For City Center Arts Programs

Frances Welles, recently appointed to head the downtown City Center arts program, left a developing career in California five years ago to return to "the higher energy level of life in the East."

She is an enthusiastic booster of the quality of life in Rochester and says that we have more going on in arts and crafts than any other American city this size.

"Rochester has more than a few internationally known artists, and many world-famous artists visit frequently. The city tends to attract very interesting people, including many students who choose to remain here and open studios. The growing number of studios on St. Paul St. reflects the congenial environment here for artists and craftsmen," she explained.

As manager for College of Continuing Education programs in the City Center at 50 W. Main Street, Welles is supervising the renovation of the Institute's extensive arts facility on the 4th floor of the landmark building.

"Although courses have been offered downtown by CCE art faculty for many years," she said, "the general public and people active in the arts are not aware of the size of our program. We have unparalleled facilities in terms of staff, space and equipment."

One of her goals as arts manager will be to offer more continuing education courses during day and evening hours and to make the facility available to other local organizations. "We have the potential to become an important new art resource for the community," she stated.

The arts center will be ready for students when classes start on September 8, and evening courses will be taught there in ceramics, weaving, textile design and introduction to photography.

Under Welles's direction one visible change will be increased interaction between the arts and the crafts departments. "Whatever art form you choose



FRANCES WELLES

to work in, whether pottery or painting, there are fundamental aesthetic principles and formal techniques that apply equally to the arts and the crafts," she says.

Her own background melds the two areas. A graduate of California State University at San Diego in jewelry/metalworking, she received a master of fine arts from RIT's School for American Craftsmen in 1979. She has been teaching metalsmithing and jewelry for CCE on the main campus for the past two years, but her own work is in the fine arts in sculpture and drawing.

A native of Long Island, Welles attended the Crafts Student League in New York before moving to Southern California in 1970. Her work has been on display in national and international exhibitions, including the World Silver Competition in Mexico City; the Lake Superior Biennial International Crafts Show in Duluth, Minnesota; the Sterling Silver Competition at Lever House, New York; the Museum of Contemporary Crafts, New York; the Southern California Exposition, and the Memorial

Art Gallery's Finger Lakes Exhibits in 1977 and 1979.

She attended the 8th International World Craft Council meeting in Tokyo in 1978 on "Crafts in an Industrialized Society" and has photographed and documented the effect of modern cultural influences upon traditional craft activity of Turkey, Iran, Afghanistan, Tunisia, Algeria and Morocco.

The first school Welles attended upon returning from California, however, was not the School for American Craftsmen, but Edison Technical & Occupational Education Center. Welles speaks with pride of the New York State Certified Machinists' Certificate she earned after a year's study at Edison. Skills she learned there are important to her work in milled aluminum construction, on exhibit locally at the Gallery of Contemporary Metalsmithing. She also is excited that there may be an opportunity for her students to learn machining in the nearby machine shops of RIT's School of Applied Industrial Studies.

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Scholarships...

continued from p. 1

and other trades or science related to metal working. The first winner of the Fuchs Scholarship is SAIS student Jeffrey Mee, 4 Ellis Dr., Rochester.

Frisina also announced four winners of Rochester Association of Automatic Machining Industries (RAAMI) Scholarships. The RAAMI winners are Kenneth Gminski, 221 Lake Rd., Hamlin; Henry J. Haibach, 16076 Bridge Rd., Kendall; Christopher G. Jones, 555 Magee Avenue, Rochester; and Kevin Kasper, 6 Bayberry Circle, Fairport.

New Medicare Number

Rochester area seniors who've had trouble reaching the toll-free number for Medicare claims now have a new direct telephone line, 546-5262, to the Binghamton office. No area code is necessary. The toll-free number, which is still operating, is 1-800-252-6550. Persons with Medicare problems can also call the Senior Citizens Action Council Inc. of Monroe County from 10 a.m. to 2 p.m. on Mondays, Tuesdays, Wednesdays and Fridays at 232-3001.

More Savers, Faster Loans

An increased dividend rate of 5½ percent for savings in share accounts during the January to June period was announced by the Board of Directors of the RIT Employees Federal Credit Union at their June meeting.

Al Erskine, president of the credit union, announced a new savings certificate program. A six-month, \$500 certificate will earn interest at the annual rate of 8.4 percent, which amounts to \$21 for the six-month period. The one-year certificate will earn interest at the annual rate of 9.0 percent, which amounts to \$45. Insurance on member savings was also increased to \$100,000 per account.

As a result of the influx of funds from the certificate program, waiting time for loans has been reduced to a few days for processing and reviewing of loan applications. Loans are granted at 12 percent for creditable purposes of members.

For further information, contact Richard Butler, credit union treasurer, at Ext. 2242.

Do YOU Have Ginger's Mail?

All unemployment-related mail should be forwarded unopened directly to Ginger DeLaney in Personnel, no matter who else it may be addressed to. Daily mail from the New York State Department of Labor, Unemployment Insurance Division must be processed by Ginger and returned within 7 days or there is a late penalty fee charged to RIT. Any questions, call x2424.

ME Students...

continued from p. 1

found a solution that allows him to continue to enjoy driving his Olds, to save dollars and not to feel "car guilt."

At his suggestion, three students in the College of Engineering ordered conversion plans they had seen advertised in *Mother Earth News*, and soon after their arrival had changed Dr. Karlekar's V-8 engine to a less aggressive, but more efficient, V-4. It meant the end of guilt and the beginning of an interesting alternative for other mechanically-minded drivers, according to Karlekar.

In addition to the plans, the group found they had to purchase a top-end gasket set, a carburetor rebuild kit, a freeze plug and assorted screws and bolts. They estimate that total costs of the conversion came to \$250, including labor calculated at \$20 per hour. A do-it-yourself conversion would cost only \$65.

Karlekar's students, Mark McVea, John Mullen and Barry Moore, are in their fourth year of mechanical engineering. They benefitted from discussions with Dean Tryon, staff project engineer for development, Rochester Products Division of General Motors.

Although 3,000 copies of the plans have been sold, according to the mail-

order company's marketing office, Karlekar and his students appear to be the first to test and record gas consumption and acceleration changes after conversion.

Their figures show that the 1971, 8-cylinder, 350-cubic-inch Oldsmobile Cutlass, which had 97,000 miles on it before conversion, and which was perfectly tuned prior to its mileage test, obtained 13.9 miles per gallon in three hours of city driving, and 20.9 miles per gallon in the 130-mile highway driving test. After the conversion, the same tests were repeated and mileage increased to 18.6 miles per gallon in the city (an improvement of 33.8 percent) and to 25.7 mpg on the highway (an improvement of 22.4 percent).

According to the figures released by the group, savings—based on driving the car 12,000 miles per year, with costs of gasoline calculated at \$1.25 per gallon—would be \$272.50 per year. It would take 11 months of driving to achieve pay-back for those who would get the conversion done professionally at the labor rate estimated by the group. For the do-it-yourself mechanic, the pay-back period would be nine weeks, due to the reduced gasoline consumption.