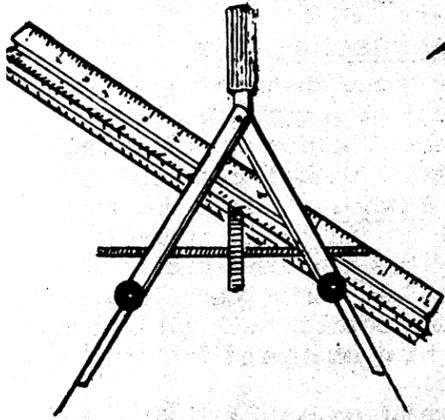


Southern Technical Institute

Marietta, Georgia



# The Sting



PHOTO BY B. BEEBE

## South Koreans Visit Southern Tech

On the 12th and 13th of this month, a group of 37 South Korean educators attended a presentation by the Placement and Co-op offices. The two-day seminar, arranged by Mr. Paul Smith and Ms. Regina Doyle of the aforementioned offices, introduced a concept that the South Koreans were eager to apply to their home situation--that of bridging the gap between graduation from a technical college and employment in a related field. That gap, which is paralleled here in the U.S., is considerably more difficult in South Korea; for every 80 graduates from a technical school, there is only one job opening.

However, there is much interest in creating placement and cooperative education services in Korean schools and universities. The country is experiencing rapid economic growth; General Motors, for example, plans to locate automobile manufacturing plants in Korea. Other industries, such as the microelectronics industry and the textile industry, plan to make moves to the East Asian country because of the high quality of said products coupled with reliable, inexpensive labor.

It is interesting to note here (before the cry "Exploitation!" is heard) that a South Korean professional earns roughly 18 per cent the salary that his American counterpart earns--but the prices on goods and services are in proportion with the lower salary. The

educated employed South Korean enjoys a standard of living quite comparable to ours--something that nations such as Great Britain cannot presently claim.

Thus, on Monday of this week, the Placement office enlightened the educators with a history of the Southern Tech placement service, then followed this with a discussion of Placement objectives. This, in turn, was followed by the Co-operative Education presentation, which stressed the benefits and advantages co-op participation provides, both in terms of the school and out students and the sponsoring industry.

On Tuesday, Professors Robert Kramer of the CET Department and Doug Black of the IET Department spoke on the subject of co-op job development.

Finally, a panel of Southern Tech co-op students talked of their job experiences. Mitch Statham, Claudia Wright, Leon Cleghorn, John Earwood, and Andy Womack deserve mention here for their help.

Although the Korean faculty members have completed their Placement/Co-op Seminar, their contact with Southern Tech is far from done. This summer, the South Korean government, which recognized Southern Tech as following their idea of an immensely useful four-year

## The 120 Loop: Changing Marietta

When you leave the Southern Tech campus, you turn onto Clay Street, now a section of the 120 Marietta Loop Highway. This route is a limited-access perimeter which will completely circle Marietta, when finished, just as I-285 does Atlanta. It was begun in 1962 and is more than 75% complete at the present time.

The loop runs from U.S. 41 north at Page Street, around to the east and then recrosses 41 at Clay and ends at Powder Springs St.. A total of 6.6 miles has been completed. Pre-engineering on the remaining 1.8 mile leg, which runs from Powder Springs back to 41 at Page, is now underway by the Georgia Department of Transportation.

The route has improved the face of the city considerably. It provides direct access from I-75, bringing outside business and even tourists into the revitalized downtown area. The railroad underpass has reduced traffic back-up due to trains. East-West traffic problems are not nearly as severe as they used to be.

But public opposition plagued the project during the early years. Although local politicians, the late former mayor Howard Atherton, in particular, pushed for the loop, many people tried to stop it. They were afraid that the construction would increase noise levels, decrease air and water quality, take business away from the city and demolish historic sites. But the route was begun anyway, and no major harm has resulted. In fact, the loop is directly responsible for the redevelopment of Marietta, according to officials involved, because of the improved access from I-75.

Financial problems have also slowed construction. There never seemed to be enough Federal money to go around. At one point, city and state got together and paid for the costs themselves on the latter portions of the loop.

The future of the uncompleted legs of the loop is uncertain. Federal money now seems to be non-existent. 7 to 8 million dollars is needed to finish the job. The state has agreed to pay construction costs if the city can buy the right-of-way. But a board referendum which would have funded the city's end of this bargain failed in a December, 1980 election. So no one is now saying when or if construction will begin.

Allen Bearden

(cont. on p.9)

# Editors' Corner

## IN THE QUEUE

Winter quarter has started with the normal amount of fear and loathing on the student's part and what a better way to begin than standing in line for registration. As I passed the multitudes of unfortunate people who didn't pre-register, it reminded me of a short story I read one time. In the story, a man's life was spent "in the queue": that is, standing in line. These people clutched numbers in their hands (much like students clutch those schedule sheets) and anxiously waited their turn to move up one place in the line. Now this line was so long that it did take a man his whole life to reach the head of the line, number one. At the end of the line, everyone was judged by his performance in waiting in line all those years, and was either accepted into heaven (killed instantly) or sentenced to a lifetime in hell (sent back to the end of the line!). Not much of a choice, is it?—but then, what choice do we have when it comes to register?

Well, you can fool all the people most of the time, as President Reagan has proven to us (not that we didn't doubt it to begin with!). After promising to streamline government and eliminate waste he allows his transition team to double its allowed budget, triple the original number of personnel, and delay the naming of his cabinet. This is definitely a sign of things to come and should serve as a lesson in politics for the layman. After all, who in their right mind believes that Reagan can give us a hefty tax cut, increase defense spending, "maintain" (his own words) a budget deficit, and still balance the budget? I feel like I'm standing in line again!

## HAIG AND WATT

Anyway, about his cabinet, a couple of these guys' nominations should be delayed indefinitely! Take Alexander Haig for instance (please!); I think it's great that we can have a former NATO commander as our Secretary of State. Think of it, he can now scare the hell

out of any other country without asking Ronnie's permission first! He is the man whose idea it was to bomb Cambodia to insure a quick end to the Viet Nam war, and he, as Nixon's Chief of Staff, was the one who kept the press away from Nixon, tried to impede the Special Prosecutor's investigation and actually fired Archibald Cox because he did his job too well and (God forbid) the American people should find out the truth. But through it all, his ego has remained intact (when your standards are so low, it's easy to meet them). As quoted from Newsweek: "I have no regrets, and I would not hesitate to do everything the same way again." This is the man who, as Secretary of State, would be entrusted to maintain peace in the Middle East, guarantee security for Western Europe, and negotiate aid for Central American nations—he only wants to supply arms to "maintain security" there. C'mon, America—wake up! Politics will always be just another pile of bovine excrement! I hope all you 18 and 19 year olds have registered for the draft—you know, just to SAVE TIME!

James Watt is another ridiculous nomination by Reagan. His whole qualification for the post of Interior Secretary is that he is an anti-environmentalist. Putting Watt in charge of the Interior is like having an Iranian guard the embassy, or a thief guarding the jewels. As chief legal officer to the Mountain States Legal Foundation, his job was to sue the Interior Dept. and challenge EPA regulations, and land management policies, in court! He got rich doing it, so I guess he was successful. If this isn't a conflict of interest, I don't know what is. Both the Audubon society and the Sierra Mountain Club are vehemently against this man's nomination, and the Sting is also. It should scare both you & me that we could have a man in this office who will, simply, take no measures to insure the survival of our national environment.

E.R. Auerhan  
editor

## REGISTRATION BLUES

I rarely get a chance to read a book for fun—or for philosophical enlightenment. Before school started this quarter, I picked up a copy of Voltaire's *Candide*. I reasoned that I'd be able to finish the book—it didn't look too highbrow, and it was only one hundred forty pages long. If I ever mixed socially with liberal-arts types, I'd have something I could speak about.

On Registration Day, I started and finished the book while standing in line at the Cashier's window. I don't know how long it took me to read the book, but I did move 19 feet in the line between the start and finish of the book.

And that's when the irony of registration at this school occurred to me. One expects order, not chaos, during the registration process at a technical school. The process should, at the most, take two days to smoothly complete not four days of computer shutdowns, unmailed checks (many students receive grants or loans, and cannot pay fees until they are received) and disabled mark-sense form readers.

I realize that the system is "modern"—but unfortunately, that doesn't work. A return to an older system, however, may result in a smoother, more orderly registration (and pre-registration) period.

The older system that could be used would work this way. Each student would receive a START FILE card with his or her name, social security number, and department on it. A second card would have a scheduled report time for the student. At this scheduled time, the student would report for advisement and selection of major area courses. With each course selection, the student is issued a course card. A limited number of course cards are printed, so that when the supply of cards is exhausted for a certain class, that class is full. After the major area courses are chosen, the student goes to other departments to select other required courses and technical (non-major) electives. The same policy for course cards applies here also. The student then returns all cards to his department, where at the end of the day all cards are run—and the students are registered with much less discomfort.

Or perhaps the point of long lines is to make students more culturally aware. Who knows. . . maybe more students enroll at STI and the lines get longer we'll see readers of Tolstoy, Shakespeare, et. al.. Southern Tech will be a center for liberal readings.

But that's a backward way of accomplishing either objective.

Steve Cantrell

"The perverted idea of manhood coming from the barrel of a gun is what keeps people from understanding nonviolence."

Rev. Jesse Jackson,  
1969

The Sting is published bi-weekly and our next issue will be distributed on January 30. We encourage our readers to contribute reviews, articles, or editorials, to YOUR newspaper, the Sting.

## The Sting

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Ken Shaw - Sports Editor

Richard Hostic - Artist

Jeff Godwin - Advertising

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Gerry Grayton - Reporter

Allen Bearden - Reporter

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# Backtalk

## TERMINATING FRIDAY NIGHT CLASSES

Night school students make up a fairly large percentage of Southern Tech's student body. While classes which meet on Monday, Wednesday, and Friday have been going on for a long time, most night school students and faculty would rather meet on Monday and Wednesday only. This could be accomplished by simply lengthening the Monday night and Wednesday night classes. Not having to start socializing so late on Friday nights and cutting down the number of trips made by students and faculty are to advantages of this schedule. Despite the belief that classes would be too long and boring, the class meeting schedule should be changed to Monday and Wednesday only.

Going to school on Friday nights until nine o'clock presents a problem for those who wish to socialize on Friday evenings. By the time students and faculty get away from school and get ready for the evening, there is not much of the night left. This problem could be solved by eliminating Friday night classes.

Many of the students and faculty live far away from the school. This causes them to drive a substantial amount each week. Driving this many miles costs them much time and money. Reducing the number of days classes meet would lessen the amount driven by these people, so they would profit from this consistently.

Some people argue that classes would be too long and boring. Southern Tech's professors are capable of making their classes interesting enough so they will not be boring. Students could benefit by the long classes because their flow of thoughts would not be interrupted. Professors could benefit by this because they would not have to go over old material to refresh the students' minds.

I feel it is time for a change in Southern Tech's schedule for night classes. Students and faculty could benefit from this proposed change greatly. Having Friday nights free and reducing the amount of driving are two big advantages of not having Friday night classes. I urge night school students and faculty to get involved and abolish Friday night classes.

Greg Davidson

## Blacks Say No Red Carpet for Reagan

Ronald Reagan will officially become this country's next president on January 20, 1981, but most black Americans will not roll out the red carpet for him. Reagan, who was a Republican governor of the state of California, won by a landslide victory over President Carter in the 1980 Presidential election. Many blacks feel that this country's new president is simply not the best man to run the country. And, as a result of

this feeling, many blacks say they will have no political clout, racial tensions will increase, and they will sit idled for the next four years with this new incoming administration.

One reason why blacks will not roll out the red carpet for Reagan is that blacks feel they will not have any political clout during the next four years. And with no clout, nothing can be done to change things. Things such as job discrimination and an extremely high unemployment rate among our nation's black teenagers may never receive attention by this new administration. Reagan did say, however, that he was going to provide jobs for the unemployed. But turning to the issue of minorities in the Reagan administration, this administration found out quickly that these positions to fill would not be an easy task. The Reagan team was looking at Mr. Sanchez, a Mexican-American, to be appointed to his cabinet. Sanchez later said he had other business interests therefore would not work for the Reagan team. Also, during the time Reagan was appointing people to top positions in his administration, blacks were scarce for him to choose from. None seem to want to work under Mr. Reagan. For example, U.N. Ambassador McHenry resigned on December 17, 1980. He said that he would not serve in the Reagan administration even if requested. Reagan did appoint one black to a top position in his administration.

(cont. on p.4)



## Here's A Management Opportunity You'll Never Outgrow

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We're coming to your school to talk with exceptional, high potential college men and women interested in joining our accelerated Management Development Program. These unique opportunities will provide qualified individuals with fast-track career advancement. If you join us, a Sponsoring Manager will guide you through a nine to twelve month program of specialized core training.

If you're soon to graduate with a degree in Industrial or Textile Technology, come and talk with us. Our representatives will discuss the details of our developmental assignments. And they just might offer you a management opportunity you'll never outgrow. If you should need further information please contact your placement office.



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"Red Carpet" from p.3

Another reason why the red carpet for Reagan will not be presented by blacks is the McDuffie decision. Author McDuffie, who was an insurance executive and a victim of possible racism, was beaten to death in Miami, Florida, by four policemen. This brutal beating touched off riots, looting, and destruction of buildings in this city. One of the four officers was indicted, but the verdict by the San Antonio jury was "not guilty". The jury was racially mixed but had only 1 black. The officer indicted and did admit guilt. After this decision by the court, there was no significant retaliation by the black community of Miami. I think the people were expecting this decision by the court anyway. This shows the blacks in Miami and across the country that police brutality is legal against blacks. Also, although he was shot during the Carter administration and while a friend who was a white woman, Vernon Jordan, president of the National Urban League (NUL), was also a victim of racism and hate. This racism and hate has been in this country for a long time, but during the 1980 debate between President Carter and Ronald Reagan, Regan said that this country did not have racial problems. Obviously, he was grossly misinformed and blind about racism then and at the present. So, with the new president not knowing what is going on, many blacks feel that racial tensions will intensify during the new president's four-year term.

Probably the most significant reason why there will be no red carpet for Reagan is that blacks in America feel that they will once again have to ride in the back of the bus. This mood in America was not broken until on December 1, 1955, when a mild-mannered Montgomery, Alabama seamstress, Mrs. Rosa Parks, made the momentous decision not to give up her seat to a white person. With the Reagan administration taking power in January, this is exactly where many black Americans feel they will be. No movement will be made towards the empty seats in the front of the bus. Most blacks whom I have talked to do not think Ronald Reagan is the best man to run this great country of ours and many feel Mr. Reagan will not do much for blacks period. Therefore, the point I am trying to get across is the idea that blacks will sit idled for the next four years unless the new president proves to black Americans that he is concerned about and will work with blacks during his presidential term.

As a black American myself, the best thing that blacks in this country should do is what Vernon Jordan said on a t.v. program. Mr. Jordan said blacks should "give Mr. Reagan a chance" first and see what he has to offer black Americans. However, with this encouraging and persuasive statement, many blacks will not be very optimistic the next four years with the Reagan administration in power.

Ivorick Pine

## Moral Majority

The Moral Majority is a fundamentalist lobby headed by Reverend Jerry Falwell who is a very controversial figure. Falwell first came to prominence as a pastor to a national congregation of TV viewers who watched him on the "Old Time Gospel Hour."

The Moral Majority was formed in 1979 when Falwell decided to use the power of the pulpit to make an argument expressing his and a group of Christian activists' displeasure over the Supreme Court abortion ruling of 1973.

Presently, the Moral Majority has chapters in all 50 states and claims 72,000 clergymen and 6 million lay members. During the past 19 months, Falwell has persuaded his followers in attacks on liberal candidates and calling those who do not share their belief on abortion immoral.

Falwell would have us believe that the Moral Majority is not a religious organization, but a political organization. However, he strongly imposes his Biblical morality and view on elected government officials. As for the ERA, the Moral Majority view is that women are equal to men, but men must remain in authority. Also, they feel that the ERA condones and perpetuates homosexuality as an alternative lifestyle. As

far as Falwell is concerned, socialism became obsolete with the election of Ronald Reagan as president. He also feels that the issue of National health insurance is dead.

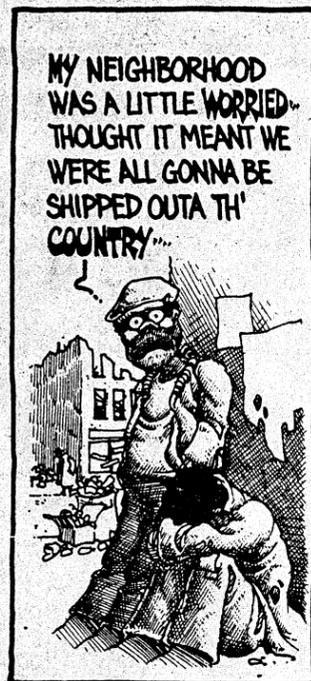
Seemingly, the Moral Majority can also influence what we do in our homes. The Moral Majority has threatened to boycott certain products if they advertise on certain television programs that are considered immoral. Certain companies, out of fear of losing revenue, chose not to advertise. The public should decide what shows they want to watch and what products they should buy.

The highest priority of the Moral Majority is the passage of the human life amendment which would protect innocent unborn children, saying nothing for the mother and her choice.

In a democratic society we do have choices. We can choose to follow Falwell or not. Issues that might be important to some Americans are not important to the Moral Majority. National health insurance is dead, ERA is dead, Ronald Reagan is president, and the military-industrial complex is very much alive. Is the answer reason over faith or tyranny from the pulpit? The choice is your and so is the final commitment.

Terry Drayton

"How did you react when Ronald Reagan's domestic advisor revealed that poverty has been eliminated in the United States?"



United Feature Syndicate

PEOPLE WAS DANCIN' ALL OVER TH' CAMP... WHY? 'CA SEVEN OR EIGHT OF US ACCIDENTALLY DANCED RIGHT INTO THE OPEN SEWER...



FIRST, WE TOOK A WHOLE MONTH'S WELFARE CHECK AN' WENT OUT T'GET A CAR, LIKE WE ALWAYS NEEDED... 'WELL, IT'S A START...



OH, WE CELEBRATED... HAD A SECOND CAN OF DOG FOOD AT DINNER...



BEN SARGENT  
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# What's happening

## E.R.A. FUNDRAISER

Support for the ERA continues to grow in Georgia! Do you know that Georgia was more successful than any other unratified state in returning ERA supporters to the state legislature and in adding new ones?

Let's keep this momentum going! Give us a strong show of support by attending YES ERA Day on Monday, Jan. 19 at the Capitol. Coming to our cause in Georgia is Sonia Johnson, who sacrificed her membership in the Mormon Church in order to stand firmly for what she believes is right and just: the ERA.

Please show your support for Sonia and for the ERA by attending an ERA fundraiser featuring speaker Sonia Johnson, to be held Sunday evening at 3 p.m. on January 18 in the Presidential Hotel (the round hotel at the intersection of I-85 and 285. (Take the Chamblee Lucker Exit off 285, then turn right on Buckeye.)

The dinner will be held in the Enterprise Room with tickets at \$20 each, with a special rate of \$10 for students.

The hotel also is offering a special room rate to out-of-town ERA supporters: \$35 per night. Reservation may be made by writing the Presidential Hotel, 4001 I.E. Expressway, Atlanta, GA 30340.

This fundraiser is co-sponsored by ERA Georgia, the Georgia Women's Political Caucus, AAUW, The League of Women Voters, The National Woman's Party, NOW, Federally Employed Women and the National Council of Jewish Women.

## FREEDOM FROM SMOKING

Atlanta--Each year thousands of Americans resolve to quit smoking in the new year. Many succeed but many more do not. To help improve the odds and to offer support, the Lung Association has developed FREEDOM FROM SMOKING. This dynamic, fully illustrated, two-part manual is available now for holiday giving and is ideally suited for the person making a New Year's resolution to "kick the habit."

This exciting program is the culmination of four years of collaborative planning, study and research of the American Lung Association and its medical section, the American Thoracic Society.

"FREEDOM FROM SMOKING is packaged in two separate booklets. The first booklet,

Freedom From Smoking in 20 Days, is a day-by-day plan to help the smoker reduce and eventually quit smoking. His first manual gives 20 days of specific activities designed and tested to help the smoker understand their smoking better. . . so they can stop," says Dr. James K. Van Buren, President of the Georgia Lung Association.

For more information, contact the Georgia Lung Association, 1383 Spring t., N.W., Atlanta, Georgia 30367 - 404) 876-3601.

## "THE MEANING OF DARWIN'S REVOLUTION"

The Natural History magazine columnist Stephen Jay Gould will speak on "The Meaning of Darwin's Revolution" Monday, Jan. 19, at Agnes Scott College. Dr. Gould, professor of geology at Harvard University, will lecture at 7 p.m. in the Winter Theatre of the Dana Fine Arts Building. The public is invited, free of charge.

Dr. Gould, a paleontologist and evolutionary biologist by academic training, writes the monthly column "This View of Life" for Natural History. He is the author of the books "Ever Since Darwin" and "Ontogeny and Phylogeny."

Dr. Gould earned his undergraduate degree at Antioch College and his doctorate in paleontology at Columbia University. His research interests include among others, the history and philosophy of geology and evolutionary biology. He is a National Science Foundation grantee and a member of Sigma Xi, the honorary science society, as well as the Society for the study of Evolution and the American Society of Naturalists.

## CHRISTIAN SCIENCE LECTURE

A free Christian Science lecture entitled "Christian Science: The Touch of Spirit" will be given Tuesday, January 20th at 8 P.M. in Cobb County Civic Center Theater Auditorium by Mr. Gordon R. Clarke from Milwaukee, Wisconsin. Mr. Clarke is a member of the Christian Science Board of Lectureship.

This lecture is presented under the auspices of First Church of Christ, Scientist, Marietta, Georgia.

Ample parking and child care provided. All are welcome.

## THE RENAISSANCE MIRROR

Is your world changing faster than you are? (Is anything that was true still true?)

A clearer insight into your own reflections upon these questions may emerge from the more distant mirror of the Renaissance. Then, as now, men coped with change by changing their ideas. Gaze into this fascinating period with us and illuminate your own beliefs.

For eight winter Wednesday evenings Ron Byrnside, Catherine Evans, Brad Fletcher, and Bob Sellen will focus on notions of the individual and his world and how these notions altered the course of the 16th century. Look into this period of rebirth in art, science, music, literature, religion, and politics and see some present concerns mirrored there. Each night will be special. One whole evening will be devoted to live choral and instrumental music and the Agnes Scott Dance Company will perform for us.

To glimpse yourself and your world in "The Renaissance Mirror; Reflection of the Sixteenth Century," please send your \$30.00 check after November 30 to the Member's Guild Office of the High Museum. Checks should be made out "Winter Lecture Series". Meet in the Walter Hill Auditorium on January 21st at 8 p.m. and regard the rich images of the Renaissance with us.

Questions? Call Laura McNeill at 237-3439 or Laura Kearney at 266-0792.

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# What's happening - On Campus

## INTERNATIONAL STUDENT INFORMATION

All International Students are required by Southern Tech to have a major medical health policy. All new students, students who transferred to Southern Tech, and returning students not here Fall Quarter 1980 must see the International Student advisor immediately to verify that you have the policy or to purchase the policy available through Southern Tech.

The International Office is located in the Administration Building, room 100. Failure to do this will result in your records being frozen and you will be unable to pre-register or register for the Spring Quarter 1981.

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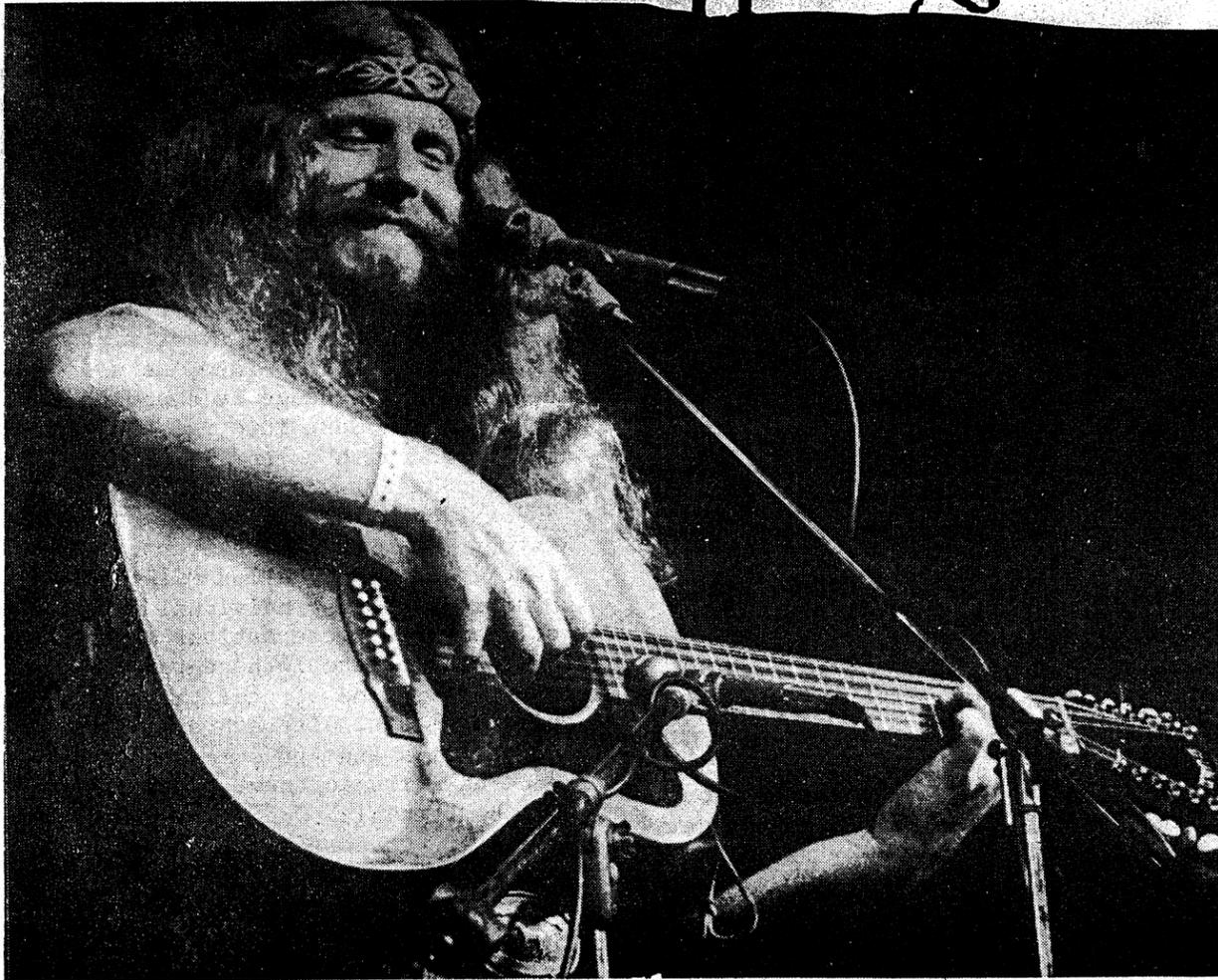
All International Students are required by the Federal Government to register during the month of January. This requirement is for immigration to have your latest address.

Alien forms for this purpose are available at the Southern Tech post office. You should obtain these forms immediately after reading this announcement so you will not forget to do so prior to February 1, 1981.

\*\*\*

All International Students who are new to Southern Tech or who have transferred to Southern Tech and commenced college on January 6, 1981 should have previously filled out an I-538 and had it signed by your previous college, enclosed this along with your I-20 and I-94 and sent it to the immigration office in Atlanta. If you came directly from your home country you should have had your I-20 picked up by immigration and had your I-94 stamped and marked for Southern Tech.

If you have not done this you should see the International Advisor at once.



## Mike Williams

Country-folk songwriter Mike Williams will bring his booming bass voice and 12-string guitar to Southern Tech Student Center Wednesday, Jan. 28 at 8 p.m.. Admission is free.

The six-foot-two-inch unreformed hippie promises to "tickle yore innards and rearrange your brain" in his 2-hr. performance.

Acclaimed by student audiences as one of the strongest solo acts in the country, Williams has performed at nearly 200 colleges nationwide and more than 100 clubs.

Williams has also opened concerts headlined by more than thirty nationally known acts, including Emmylou Harris (who he used to sing with), Jimmy Buffet, Steve Martin, Tanya Tucker, Earl Scruggs, and Jerry Jeff Walker.

A veteran of fifteen years of the road, Williams has three albums of this original songs released on Austin, Texas' B. F. DEAL label. Albums will be on sale at the show.

"I love this 12-string guitar," he says, patting his incredibly battered instrument. "It is as rich as an orchestra. I have been playing 12-string exclusively since before I got laid. There is no comparison."

## JANUARY 1981 ACTIVITIES CALENDAR

- Jan. 17, 1981 - Basketball vs. Shorter College, away
- Jan. 19, 1981 - Basketball vs. Oglethorpe Univ., home, 7:30 p.m.
- Jan. 20, 1981 - BSU meeting, room 120, 12 noon  
Placement career night featuring Scientific Atlanta 5 - 1- p.m. in the Student Center Ballroom
- Jan. 21, 1981 - Basketball vs. LaGrange College, away
- Jan. 22, 1981 - CAB Cinema presents "Final Countdown" starring Kirk Douglas, 4 and 9 p.m. Student Center Ballroom, Admission, 50¢
- Jan. 23, 1981 - Congratulations to Pi Kappa Phi Fraternity on their chartering as STI's newest fraternity
- Jan. 24, 1981 - Ga. Real Estate Exam, 8:30 a.m., Student Center Ballroom
- Jan. 26, 1981 - Basketball vs. Piedmont College, Home, 7:30 p.m.
- Jan. 27, 1981 - Placement Center Night featuring Southern Bell, 5-10 p.m., Student Center Ballroom
- Jan. 28, 1981 - CAB presents "MIKE WILLIAMS" in CONCERT. Student Center Snack Bar Area. Come for a fun night of Pickin' and Grinnin'! 8 p.m.
- Jan. 29, 1981 - CET Surveying and Mapping Course
- Jan. 31, 1981 - CET Surveying and Mapping Course
- Jan. 31, 1981 - Basketball vs. North Georgia College, away

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WHERE THE HELL ARE WE?..."



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JAMES FARENTINO  
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Directed by DON TAYLOR Produced by PETER VINCENT DOUGLAS Executive Producer RICHARD R. ST. JOHNS  
Screenplay by DAVID AMBROSE & GERRY DAVIS and THOMAS HUNTER & PETER POWELL  
Story by THOMAS HUNTER & PETER POWELL and DAVID AMBROSE Director of Photography VICTOR J. KEMPER  
Music by JOHN SCOTT Filmed in PANAVISION TECHNICAL  
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T H E A T R E

CAB presents "The Final Countdown",  
January 22, in the Student Center  
Ballroom. Times: 4 and 9 P.M.,  
Admission is 50¢.

# Clubs and Organizations

## TAU ALPHA PI NATIONAL HONOR SOCIETY

Tau Alpha Pi was founded in 1953 to provide recognition for high standards of scholarship among students in technical colleges and universities and to engender desirable qualities of personality, intellect, and character among engineering technology students. If you have earned more than 23 credit hours at Southern Tech and have a 3.5 G.P.A. or better, you are eligible to join this society that recognizes scholastic achievement of engineering technology students across the nation. If you are interested in joining, please contact one of the following:  
 PAUL JOBOLEY P.O. BOX 8344  
 MIKE STATHAM P.O. BOX 9157  
 PAUL WOJNOWIAK FACULTY ADVISOR  
 EET BUILDING

The Tau Alpha Pi bookstore is being discontinued. If you have to reclaim any books, please contact Paul Jaboley or Mitch Statham, or leave your name and phone number on the list at the office before the end of the quarter. Thank-you.

## INTRAFRATERNITY COUNCIL

The IFC is sponsoring a rush party on Monday, January 19, 1981 at Ruby Red's. Beer will be 2 for 1 from 7:00 til 9:00. There will be entertainment and a large crowd, so come on out and have a great time.

## FREE HEALTH SCREENING

On Tuesday, Feb. 3 and 10, Registered Nursing Students from Breneau College will be in the Student Center offering free health screenings. Come and have your vision, hearing and blood pressure checked anytime from 9 a.m. to 4 p.m., ground floor of the Student Center.

## BLACK STUDENT ASSOCIATION

schedule of events for winter quarter

date	Place and Event	Time
Jan. 7	Party, Student Center Ballroom	7 p.m. - until
Jan. 8	Meeting, Library Seminar Room	12 Noon
Jan. 15	M.L. King Birthday, meeting, Library Seminar Room	12 Noon
Jan. 22	Meeting, Library Seminar room, guest speaker, Barbara Anderson; Social Set (1), Dorm 1	7 p.m. - until
Jan. 29	Deadline for BSA Dues	
Feb. 5	Meeting, Library Seminar Room; speaker: Mr. Mel Tuggle	12 Noon
Feb. 9-13	Black History Week	
Feb. 15	Meeting, Library Seminar room	12 Noon
Feb. 21	Homecoming	
Feb. 26	Roller or Ice Skating (Place and time to be announced)	
March 3	Library Seminar Room	12 Noon

## THE CHESS CLUB

We were told it couldn't be done. During the last quarter break, a team from Southern Tech played in the Pan-American Intercollegiate Chess Championship, held this year in Atlanta, and tied for second place in their division! Fifty-three other colleges from all over the United States and Canada sent four-man teams including 17 masters to determine which school would win the North American chess championship. The tournament lasted five days with each team member playing eight games against eight different schools. All of the teams were placed in one of six classes of play, depending on the average ratings of the team members.

Southern Tech played in the 1400-1499 division, although many of the rounds were against teams from stronger divisions. Because of a last-minute withdrawal of one of our team members, STI played one man short with a three-man team, which meant we lost one game every round automatically. We were never told that with this disadvantage we could not possibly win anything. Due to superior play, determination, and a small amount of luck, our team beat the odds and tied for second place with Clarion State! The individual scores of two of our team were better than those of Rose-Halman Tech, who played first in their division.

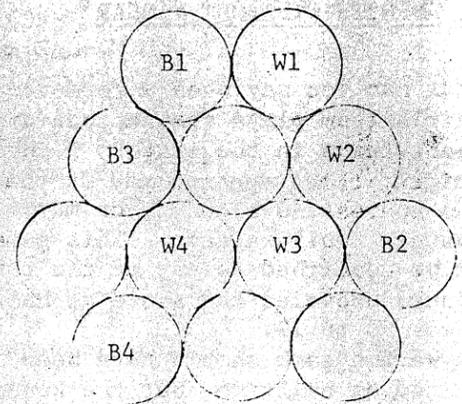
Congratulations to Bill Prouty, Joe Hendricks, and Michael Dean for their victory in Southern Tech's first ever attempt at chess competition.

The STI chess club meets daily in the bottom of the student center around noon. Inquiries can also be sent to the chess club mailbox, addressed to Michael Dean. Membership is free of charge to all STI students.

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## STINGERS

from de Caux



The following two-person pencil and paper game called "T" is played as follows:

Draw 12 circles on a piece of paper all of the same diameter arranged as shown above. The two players each choose a different colour and take turns colouring one uncoloured circle with their own colour. The first player to have three circles of his colour whose centers form the three corners of an equilateral triangle LOSES. The player who doesn't lose of course wins. For example suppose one player chooses white (W) and the other chooses black (B). White plays first and his successive moves are indicated W1, W2, W3 and W4. Black's moves are indicated B1, B2, B3 and B4. Black loses because his three circles marked B1, B2 and B4 have centers which form the corners of an equilateral triangle. Have you got the idea? Well, this weeks STINGER is to find out if the game of "T" can end up a draw, that is with neither player losing and no more circles left to colour.

Once again the team of David Schornak and Mike Smetell as well as Sharon Nardo on her own solve STINGER #26. Well done!

## AIA STUDENT CHAPTER

Happy New Year everyone. The AIA is looking forward to having a good quarter this winter. Our first meeting will be at 12:00 in rooms 119 & 120 of the Student Center on Wednesday, January 21. All other meetings for this quarter are as follows:

- Jan. 21
- Feb. 4 and 18
- March 4

We will also schedule one group tour this quarter at a date to be agreed upon.

See you at the meetings.

Steve Lewis

# What's happening

## FINANCIAL AID PLANNING CALENDAR

### ENROLLED STUDENTS

January 1 - April 1	Period to submit new or renewal applications for the following academic year.
March 1	Deadline to apply for short-term loan for Spring Quarter Registration if funds are expected before late fees apply.
April 1	Deadline for submission of new or renewal applications for financial aid (scholarship, loan, etc.) for the following academic year. Submission deadline for the Financial Aid Form to College Scholarship Service.
April - May 15	June graduating seniors should schedule an exit interview with Business Office if National Direct Student Loan has been received during college career at Southern Tech.
May - August	Notification of action taken on financial aid application.
June 1	Deadline to apply for short-term loan for the Summer Quarter Registration if fund are expected before late fees apply.
August 21	Deadline for notification of action taken on financial aid application.
September 1	Deadline to apply for short-term loan for Fall Quarter if funds are expected before late fees apply.
December 1	Deadline to apply for short-term loan for Winter Quarter if funds are expected before late fees apply.

## VETERANS INFORMATION

All veterans attending Southern Tech for the first time must have filled out forms so they can be sent to the Veterans Administration. When the veteran has registered he must come by the VA office (room 101 Administration Building) and fill out a status sheet. Unless these two things are done the veteran will not be certified and he will not receive his benefits.

The office has certified all veteran who have done the above and their benefit will arrive approximately Feb. 9, 1981.

## SOUTHERN TECH JAZZ ENSEMBLE

One of the most active and exciting organizations to come onto the campus scene is the Southern Tech Jazz Ensemble. Briefly, the Jazz Ensemble is a campus activity that offers the student the opportunity to expand and develop their musical talents in an enjoyable atmosphere while providing the Southern Tech community with much needed exposure to a wide range of jazz music performance. Participation with the Jazz Ensemble is currently non-credit and rehearsals are held each Tuesday and Thursday night from 7:30 to 9:00 P.M. in the Student Center.

If you have any questions or would like further information, please feel free to call me at 396-7151 (after 5 p.m.) or drop me a line, P.O. Box 99

A great college deserves a great bar and a great band needs you.

C.F. Adams, Jr.  
Director

# Placement and Co-op

## PLACEMENT AND CO-OP BULLETIN

Friday, Jan. 16 - Factory Mutual Engineers - All Degrees  
 Friday, Jan 16 - Amoco Fabrics, IET, TET  
 Tuesday, Jan. 20 - West Point Pepperell - MET, TET, AMET  
 Wednesday, Jan. 21 - Gould, Inc.  
 Wednesday, Jan. 21 - Gearhart Ind. CET, EET, MET  
 Wednesday, Jan. 2. - Oxford Industries - IET, TET, AMET  
 Thursday, Jan. 22 - TRW Resistors - EET  
 Thursday, Jan. 22- Shaw Industries  
 Thursday, Jan. 22 - Industrial Risk Insurers  
 Friday, Jan. 23 - Monsanto Company - EET, MET  
 Friday, January 23 - Westinghouse Electric  
 Monday, Jan. 26 - Honeywell, Minneapolis, EET, MET  
 Tuesday, Jan. 27 - Florida Power and Light - EET  
 Wednesday, Jan. 28 - Southern Can Company - EET, MET  
 Wednesday, Jan. 28 - Levi Strauss  
 Thursday, Jan. 29 - Union Carbide - Greenville - EET, IET, MET  
 Thursday, Jan: 29 - Plantation Pipeline - EET

CO-OP CO-OP CO-OP

Campus interviews for co-ops:

Jan. 19 - Reliance Electric - Athens, GA - MET  
 Jan. 22 - Shaw Industries, IET, TET

Other co-op openings as follows:

Atlanta Gas Light Co. - CET  
 Forst McPherson - IET  
 IBM - EET  
 Emory Hospital - EET, MET  
 Gould - IET, MET, EET (2)

If interested in the above, sign up with Mrs. Cochran in Room 125 Administration Building.

Any student interested in a co-op program can come by and talk to Mrs. Doyle or Mrs. Cochran in the Co-op office.

## INCLEMENT WEATHER PLAN FOR SOUTHERN TECH

Several area media will broadcast news of school closing or delay of classes at Southern Tech in case of hazardous weather conditions this winter. News of class delay or cancellation, in addition to news as to whether faculty and staff should report to work, will be broadcast on the following stations beginning at approximately 6 a.m. A decision will be made later in the day regarding evening classes; and, news of decisions made as to cancellation of evening classes will be broadcast in the afternoon beginning around 3 p.m.

## STATIONS TO BROADCAST NEWS OF SOUTHERN TECH ON DAYS OF HAZARDOUS WEATHER

1. WSB FM, WSB AM Radio  
(FM-98.5; AM 750 on the radio dial)
2. WQXI-940 radio  
(94.1 FM, 790 AM on the radio dial)
3. WZGC, Z-93 FM (92.9 on the radio)
4. WPCH (FM 94.9 on the radio dial)
5. WFOM (1230 AM on the radio dial)  
Marietta station
6. WBIE(FM 101.1)  
WCOB(AM 1080) (Marietta stations)
7. Television--WSB, Channel 2, Atlanta

## Talking about My Generation

### FUTURISTS, SCIENTISTS, THEOLOGIANSTO SPEAK ON ETHICAL ISSUES OF SCARCE NATURAL RESOURCES

DECATUR, Ga.--Barry Commoner, environmental biologist and the Citizen's Party 1980 presidential nominee, will join a distinguished list of speakers for the Atlanta Environmental Symposium January 27 and 28, 1981, at Agnes Scott College in Decatur.

Entitled "The Ethics of Scarcity," the symposium will feature Dr. Commoner along with the ecologist Eugene P. Odum, the Pulitzer Prize-winning environmental writer Robert Cahn, the independent futurist Hazel Henderson, the cultural historian William Irwin Thompson, the human rights leader Joseph E. Lowery, the political scientist and community planner David W. Orr and several ethicists and theologians, including Noel Erskine and Elizabeth and David Hodson Gray.

The purpose of the Third Atlanta Environmental Symposium has been explained by its organizers, Agnes Scott faculty members Steven A. Haworth, political scientist; Robert A. Leslie, mathematician; and Harry Wistrand, biologist. They have stated: "One of the major questions society will encounter in the near future is how scarce resources will be allocated as the age of relative material abundance draws to a close. How these resources will be allocated will be determined by political and economic systems. Not to exist in a moral society, many other questions should also be addressed preferably before resources are allocated. These questions involve sociological, technological, ecological, and above all, ethical aspects of our civilization.

Dr. Commoner, director of the Center for the Biology of Natural Systems, Washington University, will open the symposium Tuesday at 8 p.m. with a talk on the nature of the scarcity of natural resources.

All symposium events, except the luncheon address, will be held at Messer Hall. The luncheon address will be in Evans Dining Hall.

### AGNES SCOTT'S FILM SERIES

Show time for all movies in the series is 7 p.m. in Buttrick Hall Film Room G-4. Admission is \$1.00.

The winter film schedule is as follows:

Jan. 20, "Adam's Rib" (1949), starring Katharine Hepburn, Spencer Tracy, Tom Ewell and Judy Holliday in a courtroom comedy featuring Hepburn and Tracy as opposing lawyers married to one another.

Feb. 3, "Young Frankenstein," (1975), starring Gene Wilder, Marty Feldman, Cloris Leachman, Peter Boyle and Madeline Kahn in a parody of the famed horror tale;

Feb. 10, "North by Northwest" (1959), starring Cary Grant, Eva Marie Saint and James Mason in an Alfred Hitchcock suspense-intrigue classic;

### COLONIES IN SPACE

As we look to the future, we must consider the possibilities of living and working in space. Fernbank's planetarium presentation "Colonies in Space" will explore the realistic possibilities of such a venture as well as the benefits for the future generations on Earth.

Beginning January 6 and continuing through March 15, 1981, this program will also discuss the space shuttle, our first step toward the colonization of space. Public presentations are Tuesday through Friday evenings at 8 p.m.; and Saturdays and Sundays at 3 p.m.. Admission is 75¢ for students and \$1.50 for adults.

Planetarium doors open one-half hour prior to each scheduled performance. Children under 12 years of age must be accompanied by an adult. Children under 6 years of age are not admitted.

Visit Fernbank, where science becomes an adventure! For more information, please contact DeKalb School System's Fernbank Science Center at 378-4311.

### AMATEUR PHOTO CONTEST

NASHVILLE--THE GREAT PHOTO CONTEST with its GRAND PRIZE of \$10,000 and 458 overall winners is now accepting entries. DEADLINE MARCH 27, 1981. Small entry fees are required with a special incentive for early entrants. All contestants who postmark their entries by Feb. 13, 1981 can enter an equal amount of additional photos at no extra cost.

THE GREAT AMERICAN PHOTO CONTEST is open to AMATEUR PHOTOGRAPHERS only. There are two wide fields of competition. THE GENERAL COMPETITION, in which any type of camera can be used, includes PEOPLE, TRAVEL-NATURE, and OPEN categories. The General Competition offers a GRAND PRIZE OF \$10,000 plus 6 FIRST PLACE PRIZES OF \$500.00 for the color and black and white winner in each category. THE INSTANT DEVELOPING COMPETITION, in which only instant process camera are used, offers a Grand Prize of \$1,000.00.

In addition to the 458 Prizes to be awarded, all winners will be given the opportunity to BE PUBLISHED (an important step to the aspiring photographer) in a PORTFOLIO OF WINNERS at contest's end.

If you would like an entry blank and brochure, write: THE GREAT AMERICAN PHOTO CONTEST, P.O. Box 120050, Nashville, Tennessee 37212; or call toll free, 1 (800) 251-1790.

### ANNUAL BAPTIST CONVENTION

Every year the Georgia Baptist Convention sponsors a conference for international students of various religious beliefs to discuss religion with other students in Georgia.

This year, the conference will be held from January 23-25, 1981 at Toccoa, Georgia. The conference will begin at 9:00 p.m. on Friday and will end after lunch on Sunday.

Participants are welcomed to attend a presentation of the Christian faith on a voluntary basis.



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Coupon - 2 WAFFLES AND 2 SAUSAGES - Coupon

All for \$1.25

Offer Expires Jan 29, 1981

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# Calculator Corner

Welcome back to Southern Tech! Welcome back to course overloads, standing in the registration line for an hour and a half to sign for courses that filled while you were in the line, tickets for parking on poorly painted yellow curbs, frozen records for library fines that were paid for, outrageous book and supply prices, and another installment of the Calculator Corner.

This weeks installment is a hodge-podge of general programming tips, rather than a program. Topics covered will range from the use of the hierarchy register commands to two very short and (maybe) useful utility routines.

The hierarchy registers are the internal work registers used by the calculator to store intermediate operands and operators as interred by the parenthesis and the AOS (Algebraic Operating System) feature of the calculator. There are eight registers, which is the reason the machine will store only a maximum of eight pending operations. Normally, parenthesis and AOS is the only way these registers can be accessed. But there is another way to randomly and directly access these registers in much the same manner the regular data registers are accessed. The method used is to sythesise a two step HIR command in the program memory by way of the [STO] command. The format of the hierarchy code is HIR xy, where 'x' is the function to be performed on the hierarchy register, and 'y' is the register number. The 'x' function codes are 0 = store, 1 = recall, 3 = sum, 4 = product, 5 = inverse sum, and 6 to 9 = inverse product. The 'y' register code runs from 1 to 8, inclusive.

Say, for instance, you wanted to recall the contents from hierarchy register 4. You would first key in [STO] 8 2 [STO] 0 4, then go back and delete the stores. The result would be

```
xxx 82 HIR
xxx 04 04
```

in program memory, where xxx represents two consecutive program locations. One way to cut down on the keystrokes needed to create the HIR coeds is to use other legal keycodes to create the operation-register (xy) codes. For example, keying in [STO] 8 2 [1/x] and deleting the [STO] will create the hierarchy code HIR 35, which the calculator interprets as inverse sum the contents of the display register in hierarchy register 5. The primary advantage of using the hierarchy registers directly is to cut down the number of program steps, and as temporary data storage when the primary data registers are all being used for something else by the program.

A word of caution; always remember to be sure that when you do use the HIRs directly, that you do not disturb any in process operations or that any data placed in the HIRs and needed for a later use is inadvertently wiped out by a special function or AOS.

Here is a rundown on how the calculator functions use the HIRs;

- (1)Nested arithmetic and AOS operands are pushed into the HIRs from 1 to 8. As each parenthesis is closed, the stack drops from 8 to 1 and places the intermediate result in the display register and HIR 1.
- (2)With the print functions (OP 1-6) OP 1 uses HIR 5, OP 2 uses HIR 6 OP 3 uses HIR 7, and OP 4 uses HIR 8. OP 5 prints the contents of all four registers, while OP 6 prints HIR 8 only and the display.
- (3)OP 12 uses HIR 8 and the first 3 available HIRs (pending operations)
- (4)OP 13 uses the first four available HIRs.
- (5)OP 14 and OP 15 are the same as OP 12.
- (6)Polar to rectangular conversions use the first available HIR and HIR 7 and HIR 8.
- (7)Rectangular to polar conversions use the first 2 available HIRs and HIR 7 and 8.
- (8)Sum plus and inverse sum plus use HIR 7 and 8.
- (9)Degrees-minutes-seconds and inverse degrees-minutes-seconds use the first two available HIRs and HIR 8.
- (10)OP 11 uses the first 2 available HIRs.
- (11)Inverse  $\bar{x}$  uses the first available HIR.

It may all seem confusing, but when use of the HIRs is mastered, you'll find the added flexibility worth the effort.

Two small routines you may find useful are a routine to indicate the status of the angular mode the calculator is in and a routine to show the guard digits of the display.

The first routine is a follows;

```
000 76 LBL
001 11 A
002 09 9
003 00 0
004 39 COS
005 69 OP
006 10 10
007 92 RTN
```

Pressing [A] with the calculator in DEG mode will return the display with a 0. In RAD mode, the routine returns with a -1, and in GRAD mode a +1. Just remember that RAD is over the [-] key

and GRAD is over the [+ ] key. You could use this routine to determine the status of the calculator in a program. While the program is running, lets say that one section must perform its task while in RAD mode, but you may want the answer in any of the three modes, and you won't know which mode until you run the program. In fact you may run the program several times with differant data in several or all of the modes. Write the program so that before you come to the section that could change the angular mode, call the routine, save that numerical status code, change the angular mode and run that section of the program, then recall that status code and re-instate the original angular mode by that code.

The second code allows you to check the guard digits, say as a check against roundoff error. The routine is;

```
000 76 LBL
001 11 A
002 55 +
003 53 (
004 52 EE
005 50 IxI
006 52 EE
007 55 +
008 52 EE
009 00 0
010 00 0
011 54 )
012 65 x
013 01 1
014 52 EE
015 04 4
016 22 INV
017 52 EE
018 95 =
019 22 INV
020 59 INT
021 91 R/S
```

The routine works in any fix mode, and in EE mode. Answers should however be viewed in FIX 9 and INV EE display. For numbers greater than +1, the routine returns with the last seven significant digits. With numbers less than +1, the routine returns with 8. For example, key 1[INV] [lnx] [x] 10 [INV]\*[log] [=]. The display should show 2.7182818 10. Now press [A] and observe 0.81828459. Notice how this shows the last 3 digits (818) of the first number, and the five hidden digits in the display. This means the number is really 2.718281828459 10. Now press 1 [INV][lnx][A] and see the same result.

Next issue I hope to bring you a very big RPN and AOS special program. With these programs, you can simulate orbiting and landing on Mars in three dimensions.

## SOUTHERN SUBS

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