

Faculty Passes AFROTC By 39-29 Vote

by Tom Kibby

The cross town program for Air Force ROTC was approved by the faculty Wednesday by a vote of 39 to 29, with one abstention. This vote followed a recommendation by the Curriculum Committee to accept the program to be conducted on the Memphis State campus.

However, at the faculty meeting the Educational Development Committee put forth three communications to the faculty: 1) The proposal to accept ROTC was voted down by the EDC, 2) all student members were unanimously opposed to the proposal and 3) the AFROTC proposal should be declared an "important matter." This last motion would have postponed the proposal for a month and allowed more time for debate and a straw vote.

SGA President Steve Sharpe

making a proposal to the faculty. Those voting in favor of recommending that the AFROTC program be established were Registrar John Turpin, Dean of the College Robert Patterson and Professors Daniels, Witherspoon and Russel. The dissenting minority was Professors Bruhwiler and Llewellyn and student representative Brant Copeland.

The majority report to the faculty recommended the following:

"1. That Southwestern affiliate with the Air Force in a Cross Town Program with the AFROTC Unit based at Memphis State University, and

"2. That Southwestern award credit to its students who participate in this Cross Town Program on the following basis:

"A. One hour each for four terms (a maximum of four

the military inherently evil nor do recent deeds of military and political individuals imply a moral decadence of our national defense organization, the majority felt that Southwestern should "provide support for a concerted effort by the military establishment to broaden the base of its officer corps."

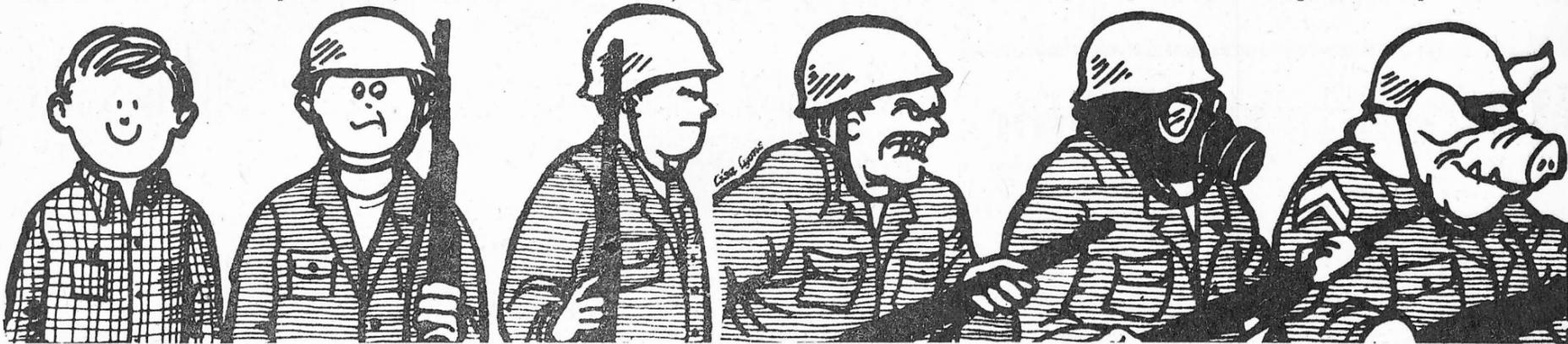
The academic argument of the majority was that the courses in the AFROTC program were "academically legitimate and not narrowly professional," yet only elective credit would be recommended. The specialized directive program characteristic of the AFROTC was viewed as similar to those in education, engineering and business administration. The quality of the teaching personnel (master's degree level) met the satisfaction of the committee. Even though they are not regulated by Southwestern, Memphis State does carry

One of the minority positions was an affirmation of argument 1 and a denial of argument 2. The minority position questioned if the level and quality of the courses offered under ROTC would be of the same caliber as Southwestern courses. While agreeing that there was not substantial overlap with existing courses, they expressed "considerable question concerning the position of the department chairmen asked to review the course materials." Secondly this portion of the minority expressed concern over Southwestern's lack of control over the teaching of officers, and that though such a situation exists in the Consortium, this agreement exists between institutions with similar objectives in higher education. Similarly they viewed the ROTC program as too narrowly directed in comparison with usually accepted educa-

Copeland was led by two arguments to reject the program in its entirety. These were 1) "such a rejection would be a small, but perhaps significant, expression of alarm and concern about the increasing military posture and temperament of the United States," and 2) that acceptance at this time, in view of very vocal student disenchantment, though hard to access, with the program could lead to undesirable consequences in the future. He felt this program should not be quickly accepted and that it merited further review.

The communication from the EDC to the faculty began with a statement of its original concern with the ROTC which was prompted by a memo from Dean Robert Patterson in early November.

This memo stated that "the Curriculum Committee is looking into the question of aca-



also made a similar motion to postpone the proposal for the purpose of holding student referendums. However, the necessary one-third vote of the faculty was not met to grant such postponement, and hence the Curriculum Committee moved for a vote, and the proposal passed.

A Sou'wester count indicates that faculty not present or not voting numbered more than ten, the difference between the yea and nay votes.

The proposal put forth to the faculty was the result of a two month investigation by the Curriculum Committee into the pros and cons of the matter. This included a survey of colleges across the nation concerning ROTC programs, an information-gathering forum on Dec. 4 with ROTC representatives and an open forum Jan. 4 to debate the possibility of offering ROTC at Southwestern.

The Curriculum Committee then met on Monday to vote on

hours) of the freshman-sophomore level program ('World Military Systems' and 'Corps Training'), to be counted as a substitute for physical education.

"B. Three hours each for four terms (a maximum of twelve hours) of the junior-senior level courses ('Growth and Development Aerospace Power' and 'The Professional Officer'), to be counted as elective credit in the college."

The majority report also contained six arguments for the affirmative recommendation. One point, considered by one of the dissenting minority to be the primary argument, read to the effect that Southwestern is in a position to meet an important national need by providing a program of officer training within the college's humanistically oriented program. Citing that "a strong military establishment which is representative of the populace is the best guarantor of our continuing freedom" and that neither is association with

this power and such an arrangement is comparable to that with other schools in the Consortium.

The ROTC program will provide financial support for students attending Southwestern. Southwestern can terminate the arrangement at any time after making provisions for students in the program.



The majority felt the courses in the ROTC program deserved academic credit because this was the only way of recognizing the legitimacy of the program, and it would be unrealistic to expect students to take 15-16 hours per long term in order to graduate in four years.

The minority opinion summarized the majority's arguments as 1) institutions like Southwestern can provide a civic and moral service by providing for the education of potential military officers and 2) Southwestern can legitimize this service by granting to the Cross Town Program academic status.

tional objectives of program like education and engineering. On the awarding of academic credit to those participating, this portion of the minority felt that it would not be a necessary incentive in view of the financial aid given in the advanced two years of the program. Finally, they said it was possible, though not desirable to the AFROTC representatives at Memphis State, to offer the program as an extra-curricular option, to be listed in the catalogue. This arrangement would require further negotiations. In summary, they felt the proposal need not be accepted or rejected in entirety, but an alternate proposal should be included so that the ROTC program can be offered as an option but without its academic status.

Student representative Brant

demical credit (for the AFROTC program) and will presumably have a recommendation. However, the Curriculum Committee declines to evaluate whether the college should go into this program at all. I am asking the EDC to make such an evaluation and to report the conclusion to the faculty."

From this memo the EDC considered on November 7, two proposals: one to accept the program with credit and another to accept it without credit towards the 124 hours required for graduation. Both proposals were voted down. The faculty voted to have the matter investigated further by the Curriculum Committee—including open meetings—which was to send a proposal back to the faculty for the January meeting. The rest is history.

Students Air AFROTC Views

Following are some of the views expressed by students at the AFROTC open meeting held last Friday. Not one student present spoke in favor of the proposal.

One focus of the discussion was the possible "humanistic influence" that AFROTC is seeking from Southwestern. SGA president Steve Sharpe questioned there being any humanistic influence from Southwestern's participation. He summarized that "The courses would be given at Memphis State. They would be taught by trained military people." SGA vice-president Herb Gunn read a statement issued last term by the Student Executive Board which unanimously opposed AFROTC.

John Lewis urged that Southwestern stand up for humanistic values and try to increase them. Lewis stated "Southwestern

should stand up to the position of wanting a world without the military." He continued by stating that if Southwestern adopts AFROTC, this would be saying "We condone violence . . . I think if a person wants to go to AFROTC, there are other schools he could go to."

Ed Uthman asked the committee members to "think about how people would react" to AFROTC on campus. Uthman stated his belief that it could discourage prospective students.

Cecilia Schardt, in response to a charge of Professor Edward Scrimger that people were "trying to run away from the military" stated that Southwestern was also running away from problems surrounding it. She advocated more interaction with the Memphis community rather than starting interaction with the military.

PAN Tomorrow Night

by Arnold Weiner

Tomorrow night the Panhellenic Dance will be held at the Sheraton-Peabody from 9 PM till 1 AM with Delta playing. Tickets are \$2 for non-sorority members. Tickets are available at the door.

According to an informed Panhellenic spokesperson most of the sorority members will probably wear long dresses. With regard to their male escorts, a coat and tie will suffice. It should be emphasized that this dance is for the whole school and not just sorority

members.

This dance is unique in the fact that it is a girl ask guy affair. So this is the one chance for girls to seize the initiative and re-direct Southwestern social life.

As far as attendance is concerned this dance might very well approach homecoming. An informed Panhellenic spokesperson told this reporter that about 500 people will probably attend the dance. This correspondent personally considers this figure too conservative and predicts a turnout of about 573.

The Sou'wester

Editorial

Why the ROTC rush?

On December 4, the first open meeting of the Curriculum Standards and Standing Committees was held. One month later, on January 4, the second and final open meeting was held. The continuity between the two meetings was nil. In fact, one of the professors giving a presentation stated that he frankly didn't remember some of the points covered at the first meeting.

Why was the meeting held on a day when the city of Memphis was paralyzed with an ice storm? Many professors and students were unable to come to campus due to the inclement weather. Although chairperson Jack Russell delighted in noting that the women faculty members on the Committee were not present, we want to point out that many interested students were also not present due to the weather.

The meeting last Friday was not well publicized. We saw some posters scattered hither and yon, and there were mailbox stuffers that day. However, no effort was made to contact town students. Had the committee waited until this week, the SFA could have announced it.

We avoid the paranoid suggestion that this was all a "military plot." But we do urge that in the future, further consideration be given to the importance of continuity, the importance of full community participation, and the hazards of driving or walking on ice.

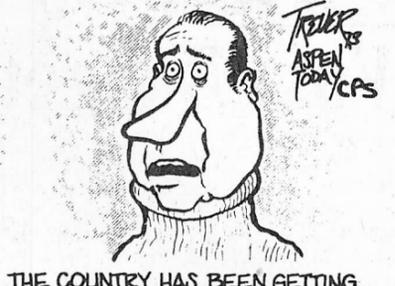
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"TO TELL THE TRUTH" WILL NOT BE SEEN TONIGHT SO THAT WE MAY BRING YOU THE FOLLOWING SPECIAL BROADCAST FROM THE WHITE HOUSE...



GOOD EVENING, LADIES AND GENTLEMEN. THE CRISIS FOR TONIGHT IS THE ENERGY CRISIS.



THE COUNTRY HAS BEEN GETTING HOT UNDER THE COLLAR IN RECENT WEEKS. THUS, OUR ENERGY DEMANDS HAVE BEGUN TO EXCEED AVAILABLE SUPPLY...



I URGE THE NATION TO KEEP COOL - AS I DO. YOUR FEDERAL GOVERNMENT, OF COURSE, WILL LEAD THE WAY IN ENERGY REDUCTIONS...



ACCORDINGLY, I AM CUTTING OFF ALL POWER TO THE SENATE OFFICE BUILDING AND TO THE JUSTICE DEPARTMENT...



POWER TO THE PEOPLE!

Letters to the Editor

Dear Editor:

Wowie-zowie, am I ever glad we have the administration's curriculum committee on OUR side. They are perfect politicians, to wit: they do their best to slip questionable policies by those students who try to guide their wayward superiors and, most important, THEY SUCCEED in these endeavors. It was a consummate act of political puberty to announce a meeting on AFROTC "sometime in early January," then to hold that "open" meeting on January 4, which, as you remember, was one of the first days of the new term, aside from its being one of those surprisingly icy January days when most town students and many dorm students found themselves locked inside by tons of that funny material that melts in your hands when you pick it up, and which breaks your ass when you fall on it. Needless to say, my own cries of "Blood Money" went unheard that glorious day, simply because I saw none of the "announcements" for this meeting and was unable to walk the two miles from my house to school more than twice that day (I did so that morning), my body being in that state of disrepair that comes from not being in the AFROTC.

Does this sound anti-ROTC? Well, it should, although perhaps not for the reasons you, dear Editor, might imagine. Let me make myself perfectly clear. Our mighty Constitution, in the first place, states that there will be no standing army in the United States. Now, I realize that this minor portion has been at the least ignored and at the most repealed, but I think Tom & Co. had a good idea there. A standing "defense" army may also be a standing occupation army when the need arises. And having such organizations as ROTC on college campuses is a great deterrent for commie hippie radicals who want to riot and destroy, correct?

Also, various lies have been perpetrated upon us. For example, at the "open" meeting, Dr. Russell told Ms. Jenny Hackemeyer that women in AFROTC are "more equal" than men as far as awards and scholarships are concerned. Dr. Russell, that just is not true! Women get benefits only for the

two years they are allowed to participate in the program. Women are not allowed to become pilots, thus eliminating them from any benefits in the final two years of the program. This is equality? Do you expect women to swallow this whole, or do you just think they'll ignore it?

I suppose the biggest question is that of money. Is it worth it? For the privilege of announcing to the world that Southwestern is affiliated with the United States military-industrial machine, a very few Southwestern students may receive a very few thousands of dollars. Do we really think this is the only way for these students to get a college education? Is there no other scholarship fund they can go to? No work-study program? Also, are we sure that our students will get these Air Force-sponsored scholarships anyway? I have heard only that these students will be eligible for, not guaranteed, scholarship money. I repeat: is it worth the expense? If and when ROTC is brought here and Southwestern is at last subdued by the M-I machine, I will never donate a penny to this institution. It won't deserve or need any money or material I could ever give it, anyway. So that's my say. Say on.

Greg Oldham

P.S. I forgot to say: I don't mind people taking ROTC if they want to, I just do not want the institution I've chosen to give me my education to be connected in that way with murderers. Why can't a credit transfer-system be set up, rather than a direct-credit system? That at least would keep Southwestern's name off the "We're Proud to Murder" list, even though it would still be a subversion of academic principles.

This week's flight on the USAF CC Schardt brought to you by:

General Generals Branham, Lewis, Mullen, Smith, and Schardt. Mission Reporters Kernal Bristly Kibby, 1st Left Tenant Drummond, 1st Right Tenant Weiner, Last Middle Tenant Kearney, Sgt. Asanga, Sgt. Chip, Pvt. Smiling Slack, 3rd Level Guru Scholes, Pawns Fentress, Bouncy Perkins, Spectro Taylor, Danhoff and Deck.

35 mm behind enemy lines are Ernie Williams, Mitch Wilds, Dan Houglund.

Firing away at the enemy on their Jones-Coronas are Kittrell, Blount, Millman, Inc. and Cockroft, Inc.

"ROTC-trains-administrators" business manager is Hugh McKinnon.

Poll Shows Students Want Birth Control Clinic

by Debbie Danhof and D. Cards

Health care and medical services for the American public, especially for women, have recently come under a great deal of criticism. Women throughout the country have been crying for freedom from outdated medical practices controlled by the largely male medical profession. Women have begun to recognize they have a right to control their own bodies. They have fought for liberalized abortion laws and more information from their own doctors about how their bodies work. On many college campuses women have fought for and received birth control and gynecologist services (as part of the general health care services offered by the college) to handle their special needs.

As part of a survey on the infirmary conducted last October, the Radical Women's Undergraduate Board also distributed a survey asking how students would feel about the possibility of birth control services on campus. Approximately 600 surveys were given out to dorm students and 365 were returned (132 male students and 233 female students). A majority of students said they thought there should be some kind of birth control information and referral service on campus and that they would use such a service. The students also said they thought there should be a confidential birth control clinic on campus and they would use such a clinic if it were available. The results of the survey seem to conclusively show that students see the need for and would use extended infirmary services including a birth control clinic and visiting gynecologist. (See chart at end for exact figures.) What can Southwestern do to offer these services? It would seem that the first easiest thing to do is immediately begin a

birth control information and referral service. Every student should receive a list of clinics and doctors where they can go to receive birth control services. Free and confidential counseling (without moralizing) should be available on campus. Everyone at freshman orientation next year should receive a packet with information about clinics, doctors and a birth control handbook. (It is indicated from answers and comments on the survey that many people are uneducated about birth control methods and gynecologist services.)

The next step would be to hire a gynecologist as part of the regular visiting staff of doctors or to make visits weekly or bi-monthly as part of a birth control clinic. Records would have to be kept strictly confidential and inaccessible to student assistants.

This comment is from a male junior, "This is a community and believe it or not girls are dwelling in this with or without our help. We have an obligation to them and also the guys. Where and what do the idiots think is going on 'round Southwestern. Help is needed."

Following are the survey results.

1. Do you think that birth control information and referral should be available on campus?

	Males	Females
yes	98%	97%
no	2%	3%

2. Would you use such a service?

	Males	Females
yes	64%	63%
no	36%	37%

3. Do you think that a confidential birth control clinic should be available on campus?

	Males	Females
yes	51%	70%
no	49%	30%

4. Services that would be included in such clinic

A) Birth control information

	Males	Females
yes	94%	94%
no	6%	6%

B) Birth control pills

	Males	Females
yes	80%	75%
no	20%	25%

C) VD information

	Males	Females
yes	92%	92%
no	8%	8%

D) VD testing

	Males	Females
yes	83%	85%
no	17%	15%

E) Pregnancy testing

	Males	Females
yes	83%	77%
no	17%	23%

F) The Morning After Pill

	Males	Females
yes	69%	41%
no	31%	59%

G) Abortion referral service

	Males	Females
yes	80%	77%
no	20%	23%

5. Would you use such a service (as in 4 A-G)?

	Males	Females
yes	76%	65%
no	24%	35%

6. Do you think there should be a regular visiting gynecologist in the infirmary?

	Males	Females
yes	68%	80%
no	32%	20%

7. Would you use such a service?

	Males	Females
yes	21%	77%
no	79%	23%

8. Would you be willing to pay for birth control/gynecologist services?

	Males	Females
yes	51%	70%
no	49%	30%

Thanks to the efforts of many persons, The Sou'wester is pleased to announce that Robert Henderson is back in school.

* * *

Masters and Masters will not be coming to speak at Southwestern as had been previously announced. Crossed-wires with Memphis State gave The Sou'wester the erroneous information which led to the previous announcement.

Larry Rice, the SGA's Welfare Commissioner, has graduated, leaving open the spot until a new election can be held. The new commissioner, according to SGA President Steve Sharpe, will be elected by the Board of Commissioners.

Sharpe could not set a definite election date, but he did say that all applicants for the post are welcome. Anyone interested should see Sharpe.

Warren Kearney

Fuss Budgets At Student Center?

Being a member of the Young Mature Cynics of America, I was not terribly surprised nor anguished to discover that the movie last Friday night was not to be shown twice as was the rumored promise. I simply passed it off as another Institutional Rip Off, and went my stoic way; helped by the numbing excitement of the last reel of the first showing and a half-quart of beer or more (I'd already read "Candy," but had thrown it away halfway through and gone back to my twenty-five cent Adult Onlies for more solid frustration).

However, as a card carrying Objective Observer and a neophyte Southwesterner, it behooved me to investigate the facts. It turns out that in reality there was no such promise — it evolved from Bruce Allbright's hasty opinion poll as to whether the aisle sitters (who are technically "illegal") would like to clear out and come back at 9:30 for a second showing. The response was a resounding "NO" and the idea was squelched. However, as rumors will, the rumor viciously leapt up and lured a handful of unsuspecting victims back to an empty screen, including myself (had to see the part I read).

The decision not to show the movie again to the handful left was, then, one of judgment rather than villainy. But this raises hesitant questions as to the judgment itself. Why not show it again? "Candy" cost \$100 to show, and would have cost maybe \$75 or more to show again. Can we get around that? Albright indicated that he didn't know whether any other film rental company allowed it; charging admission would allow it, but there is a tradition at the Student Center that all such Programs are free.

An admirable philosophy, but its impact is tempered somewhat by a couple of observations. It is a fact that students do appreciate high quality, and are even willing to pay for it. A 25c charge is not oppressive, and is certainly better than no movie at all for some. And it will be a shame if, when higher quality movies come, if some students, due to crowded conditions, are unable to see it for budgetary reasons.

More significant, however, is the tenor of Student Center operations as Allbright evinced them. There is a thread of antipathy toward students, in the form of the old they-don't-give-a-damn complaint; it is a cry I have heard universally ever since I've been socially aware enough to be involved in student affairs, and an unfortunate one from a group designed to serve students. Littered auditoriums and clean-up duties are inevitable by-products of student activities. The idea that students are apathetic because they don't show for film selection committees and other such calls for student ideas and help may or may not be valid, but it is an unproductive attitude. The Student Center abounds with a number of excellent ideas, but without an organized, motivated, and detailed plan of selling the idea, not just itemized cost accounting, one goes no where, even with ideas such as beer in the Lair, or voluntary jam sessions — if a vocal call for musicians doesn't evoke a positive response, then go seek them and get them, for they are there. Shrugging your shoulders at uncaring people just isn't good enough.

An indication that the Center may itself be suffering from a touch of apathy shows in its budgeting. Out of \$12,000 dollars, approximately \$7,000 goes to upkeep, and approximately \$4,500 to \$5,000 is allotted for activities—of which \$2,500, says Allbright, is committed more or less to movies. The remaining sum is allotted for Programs; but the Programs, such as receptions and parties, are unspecified in advance, and unplanned. They depend on what the Student Center divines to be the students topical desires, as well as a few traditional parties, and such. Perhaps this is to eliminate a sense of structuredness and introduce a note of spontaneity into the activities — a good idea. But Allbright himself expressed a little disappointment at the beer's gone-party's over attitude of the students, a regrettable but nevertheless seemingly common viewpoint regarding such parties. So perhaps something else should be tried. Unstructuredness and spontaneity do not imply poor planning, lack of foresight, or hasty organization. A yearly calendar,

with due allowances for the unforeseen, might result in higher quality attractions for students. Nor should the Center be afraid to leave the confines of its walls, or FJ-B, for proper facilities; granted the difficulty of an alternative to FJ-B for movies with sound and beer, a little foresight might have caused someone to realize that "Candy" would initially attract the droves of lonely hearts on campus. And a recognition that attempting fewer programs would allow more money to be spent on higher quality occurrences, perhaps outdoor band/picnic concerts and such — anything as long as it combines good planning and insight with carefully spent money, will attract students, especially when advertised well (beyond the normal channels communication to students if need be). Unwillingness to spend a great deal of money on a project, due to students "selfishness" or apathy, from a student entertainment/recreation group borders on an admission of incompetence.

There is a bylaw of the unwritten rules for credibility that requires a certain period of residence to be fulfilled before a neophyte is allowed inside jokes about the group, so I refrain from whatever puns and such available to me, in deference to this bylaw and my relative ignorance of campus life. But from experience I know that even with budget cuts a \$5,000 budget pushes back the frontiers of creativity for any reasonably innovative group of people. The Center is a fine facility in many ways, but it is not the responsibility of the students to supply the organization with its formal direction — that is for the organization itself. The Center can use and strongly solicits suggestions for Programs, but unless a student is greeted with more than a that's-a-good-idea-why-don't-you-work-on-it, unless he is greeted with the positive possibility of having his idea integrated into a definite program, what happens now is very likely to continue — faceless non-response. If Allbright and Co. wish to have someone remain at the party after the booze is gone, they should seriously consider their attitude as student leaders, and not surrender to anachronistic fuss budgeting.



Where oh where are the Sa-Sc's computer cards for the first term grades? Turpin is still looking.

SW Tuition May Increase \$200

by Jim Drummond

The budget committee will recommend to the board of trustees a \$200 increase in tuition next school year according to vice-president and treasurer Marshall Jones. Jones cited general increasing operating costs as a prime cause for the raise. Prominent in the considerations of the budget committee was inflation which has forced up prices and salaries. Though the overall staff size has been cut back, long overdue raises to offset the rise in the cost of living are expected to require more operating funds.

The increase which is not official until final approval by the board of trustees was initiated by Jones and was concurred with by the other members of the budget committee: President James Daughdrill, Dean of the College Robert Patterson, Business Manager Susan Smith and Professor Donald Tucker. The board is also expected to increase an estimated 5-10% and rooms are expected to rise some \$25.

This increase will naturally have an effect on all students planning to enter or return next year. Tuition has been rising steadily since the 1969-70 school year. Tuition at this time was \$1500. An increase of \$200 was granted in the '70-'71 year and since then tuition has risen \$100 a year to its present \$2000 level.

The hardest hit segment of the Southwestern student body is expected to be those students from

middle income families. The Financial Aid committee has already began work on its budget using \$2200 as the base tuition figure. According to both Financial Aid Director Bill Jones and Director of Admission Ray Allen, there will be more money available for financial aid to help lower income students meet the increase. These monies will be provided through more Federal assistance as well as increased contributions to the General Scholarship fund. Of potential use to middle income students is the recently enacted Tennessee Tuition Grant which will provide extra help for students attending private colleges.

According to Allen, the tuition increase will have little effect upon recruitment policies. The same type of student will be sought. (At present some 64% of the students are from public schools and 31% from private schools.) There will be no over-emphasis upon wealthier students from preparatory schools. The basic criteria for admission will remain the SAT score.

Southwestern's general financial state has been steadily improving according to figures quoted by Jones. Alumni contributions are on the increase and the endowment fund, essential for long range stability will also show a gain. The only problem according to Jones will be offsetting inflation in the overall economy, and the answer to that lies far beyond the hallowed halls of Southwestern.

Physicist's Daughter Visits SW

Last Tuesday, Dorothy Michelson Livingston spoke on her famous physicist father, Albert Abraham Michelson. From eight to nine PM in FJ-A, she recalled the personal side of Michelson's life and his most important experiments.

Livingston has written a biography of her father, **The Master of Light**. It took ten years to research and write.

Born in Poland in 1852, Michelson came to America at the age of three. Eager for advanced studies in math and physics when he finished public schooling, he obtained a special appointment to Annapolis from President Grant.

As an instructor at Annapolis, Michelson made a significant improvement in Foucault's experimental design for measur-

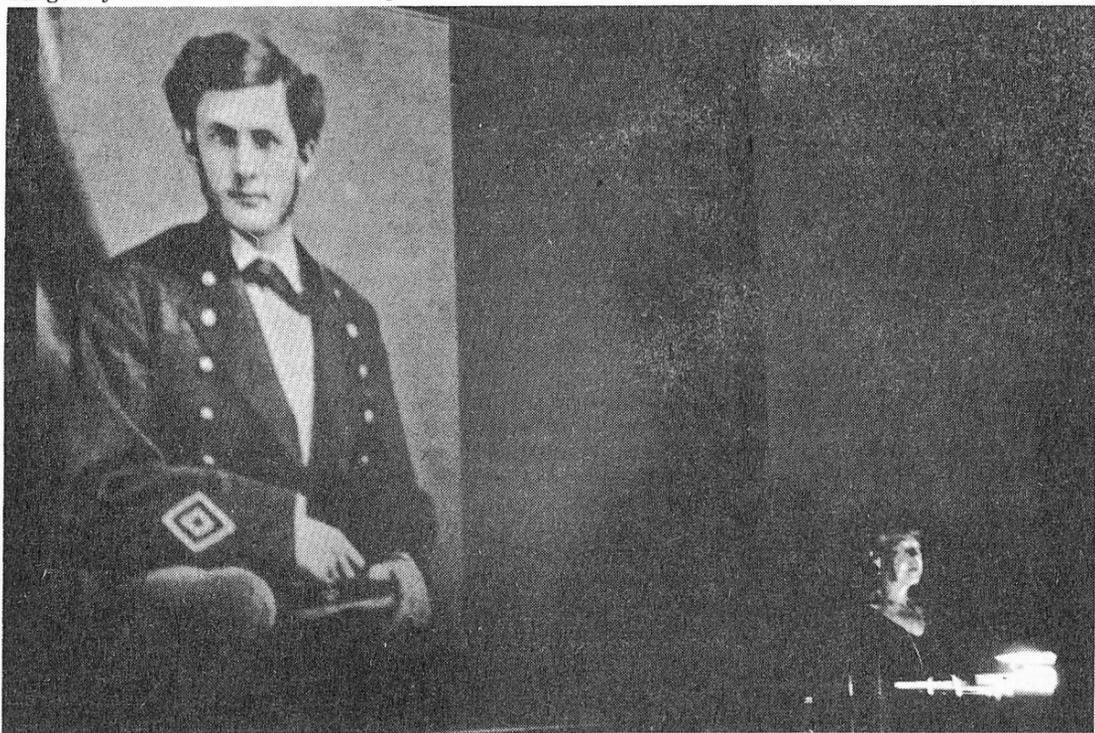
ing the speed of light. Thus he became interested at an early stage of his career in the study of light.

Michelson is famous as much for his failure in trying to detect the motion of ether as for his success in measuring the speed of light and the diameters of stars.

The Michelson-Morley experiment, intended to detect the motion of ether, failed. Yet this failure motivated Lorentz to formulate the Lorentz contraction.

When Einstein read Lorentz's paper, he heard of the Michelson-Morley experiment for the first time. Einstein based his Special Theory of Relativity partly on this result.

Michelson died in 1931, the first American to win a Nobel prize.



Dr. Livingston? No, the late Dr. A. A. Michelson. This Nobel Prize winner was the subject of a speech given by his daughter, Dorothy Michelson Livingston, last Tuesday.

GRE: A Day of Reckoning

by Henry Slack

When next weekend you hear someone complaining about "the GRE," that's not Nixon's secret spying unit, nor is it anything like mononucleosis; instead, it's the Graduate Record Examinations, 375 minutes of testing from the Educational Testing Service, the same people who brought you the SAT in high school. The GRE is intended as the equivalent of the SAT for admission to graduate school instead of college; not all grad schools require them, though, while they may be used as requirements for other purposes. Here at Southwestern, for example, all Biology majors are required to take the Biology Advanced Test as a portion of their comprehensives.

There are two examinations: the Aptitude Test takes 3 hours, while the Advanced tests each last 3 hours and 15 minutes. The Aptitude Test is designed to measure "general scholastic ability at the graduate level," contains roughly equal amounts of material in verbal ability and

quantitative ability. The Advanced Tests are specific for one field of study only, but try to measure the candidate's "comprehension of materials basic to graduate study in major fields." In other words, you'd better know your stuff.

In the last three years, an average of 280,000 students have taken the GRE Aptitude Test each year, with half that number taking an Advanced Test.

New forms of the tests are composed regularly (twice a year for the Aptitude Test, every one or two years for each Advanced Test), and each time a new form is given, a statistical analysis to "equate" raw student scores into the GRE scale is run, so that a score of 600 on any test will demonstrate the same amount of knowledge as that score did on an earlier form of the same test.

Physicists Continue Kohoutek Quest

by Charlie Taylor

Since the beginning of the academic year things have been quite busy inside the physics building (the one with the silver domes on top). In particular we are studying the comet Kohoutek, (pronounced however-you-like-it).

Hopefully Tom Cornell will be able to observe with a radiometer that was used successfully in Africa to observe the solar eclipse. Larry Brown will study Kohoutek's visible spectra with

the department's Czerny-Turner grating spectrometer. In addition the author's honor team will be studying the comet's infrared spectra.

Our experiment has several major components. We are using a fabulous liquid helium cooled, infrared volometer that is on gracious loan from the high altitude observatory in Boulder, Colorado. Next is an infrared prism spectrometer that is used as a monochromator to disperse the radiation striking the volometer. Finally, the department's 31 inch telescope is used to collect radiation that is eventually focused on the volometer.

The head of this comet will be studied in the hope of confirming the presence of silicates that were possibly sighted in a previous comet. We are able to verify silicates by the phenomena of restahlen spectra. Dielectrics such as silicates do not absorb a great deal of the radiation striking them (in this case the solar radiation). However, at a characteristic wavelength the dielectric will absorb strongly and will then reradiate at this characteristic wavelength. Thus, if silicates are present, we will have a strong reading at this wavelength and weak readings elsewhere.

As of January 1 the comet has been too dim to study. Hopefully it will brighten up later this month. Kohoutek can be seen just after sunset in the southwest sky.

WLYX-FM Rocks Memphis

Southwestern students have a great opportunity to become involved with one of Memphis' fastest growing FM radio stations. WLYX-FM89 broadcasts all over Memphis from its studio on the top floor of Southwestern's gymnasium building.

In a little more than a year, WLYX has captured a major share of the city's FM listeners. Most of the station's music is Rock — real Rock, not the "Top 40 Tunes" that seem to be on so many Memphis stations these days. But Rock isn't all there is to hear on WLYX. Classical, Blues, Bluegrass, Jazz, and many more modes of musical expression are regular features. News and Public Affairs programming round out the schedule and provide information and community service.

The station is operated by an all volunteer staff, and more people are always needed. Southwestern students can gain valuable broadcast experience

through working with WLYX. Anyone who really wants to work can find something to do at the station. From time to time there are openings for announcers and disc jockeys. There are always opportunities for people interested in producing programs and series of programs. The News Department has an immediate need for more staff members. Volunteers are sought for every phase of gathering and broadcasting the news.

Anyone who is interested in finding out more about working with WLYX is invited to meet with some of the station's staff Wednesday night, January 15 at 7:30. The meeting will be held in the WLYX studio — interested students should come to the west door of the gymnasium so that they can be directed up to the station.

VI. And on the 6th day of the 6th year from his rise to power, the Almighty Dick answered our fervent prayers and performed great miracles. He arose and struggled with the sun and spoke thus:

"Stand still, O Sun in Kalamazoo, in lurch

Stand, Moon, in the vale of the little brown church."

7) So with magic used to him, Dick made the sun stand still and the moon halt until one roophball team had taken vengeance on another and had vanquished it from the courts.

8) And the roophball players danced and made merry at the magic of Nixxon. Amen.

Radio Phree Roophball and the Magic Dick announce opening of winter "after dinner" Roophball season.

Southwestern at Memphis
2000 N. Parkway
Memphis, Tennessee

Victory For SW

The Lynx roundballers won their first game of the early season, with a 76-66 victory over the Lambuth Eagles of Jackson, Tennessee.

The Eagles, who were pre-game favorites, opened an 18-10 lead and were beginning to take command of the game. However, Greg Fields hit two quick field goals and the Lynx got the momentum, outscoring Lambuth 10-0 in the next four minutes taking the lead.

The game remained close until with four and a half minutes in the contest and the score tied, 60-60. Southwestern again outscored the Eagles, 10-0 and took a commanding lead.

Excellent free throw shooting kept the lead and secured the Lynx's initial victory. Southwestern hit 20 of 21 foul shots the second half, including their last fourteen in a row, and with key steals by sophomore Bo Coley and transfer Jim Yarbrough, the Lynx held off any late charge by Lambuth.

Steve Rast led the Southwestern scoring with 21 points. Coley added 15, Dan Anderson dropped in 14 and grabbed 11 rebounds, and Fields had five baskets for 10 points. The leading scorer for Lambuth was Godfrey Patterson with 20.

The Southwestern record is now 1-3 and last night they played Lemoyne-Owen in the first round of the Dixie-Tournament here, at Mallory Gymnasium. Tonight, if they defeated Lemoyne-Owen, the Lynx will play at 9 PM. If they lost they will play at 7 PM. Their opponent will either be Belhaven or Bethel College.

Intramural basketball began its opening round Wednesday night. There is a total of 26 teams divided into 3 leagues this year. "A" league has 7 teams, "B" league 8, and "C" league 10. Perhaps the most interesting factor this year is the addition of an alumni team playing in "A" league.

After being snowed out of their first tournament in Magnolia, Ark., the Badminton team is now practicing for its first tournament at Memphis State Jan. 18 and 19.

The Soccer teams will start practicing Tuesday for its first game of the winter season Jan. 27 with Memphis State. Anyone is welcome to come and practice with the club on Tuesdays and Thursdays.

Guitarist To Play

Bunyan Webb, classical guitarist, will give a concert tonight at 7:30 in Hardie Auditorium. Tickets for Southwestern students and children of faculty and staff are \$1.00. All other tickets are \$3.00. Tickets are available at the door. Proceeds from ticket sales will benefit the Southwestern Concert Band.

The concert will include works by Bach, Villa-Lobos, Tedesco, and others. The last three pieces will feature a slide show.

Bunyan Webb will give a free workshop at 1 PM Saturday in the basement of Burrow Library. Everyone is invited to come and bring their guitars.

Security Playhouse

Presents

A Thousand Clowns

1947 Poplar

Reservations

274-7353

Dec. 27 - Jan. 27