SEPTEMBER 20, 1977

ENROLLMENT HITS RECORD AGAIN

Final enrollment figures for Fall semester at SVSC hit a record high again this year. It appears that a 7% increase in head count has been recorded, with 3540 students this year versus 3322 last Fall.

Since 1972, a 52.8% rise has taken place here, while many state colleges and universities have suffered from declining enrollments. 40% of the Fall registrants are new students.

This year’s 32,621 credit hours are about 2.3% higher than the 31,861 figure recorded last fall. "Credit hours would have been higher yet if more classes had been available, but we simply did not have enough room to put everyone where they wanted to be," noted Director of Admissions Richard P. Thompson.

Dorm occupancy also reached a new benchmark, with 396 students contracted this year compared to 305 a year earlier and occupancy presently 375 this Fall.

The biggest change in this year’s student body is that a higher number come from more distant parts of Michigan. This is partly the result of SVSC becoming better known statewide, Thompson believes. Athletic programs have given the College greater exposure and SVSC's reputation has also been enhanced by expanded student activities and campus life programs. New undergraduate academic programs in Nursing and Engineering & Technology have also attracted dormitory students to the campus. In addition, broader scholarship programs including the Awards for Excellence and Triskelion Merit stipends have added to the College's attractiveness.

This Fall there are 95 full-time faculty members, 75% of whom hold doctorates in their academic fields. 82.5% of the total possess terminal degrees.

CHOW ADVISES CONGRESSMEN ON CARTER ENERGY PROPOSAL

There’s an energy crisis alright, and America will need nuclear energy for the next 50 years, but we can afford to go slow on further development of Fast Breeder Reactors (FBR’s) as our source for nuclear fuel.

That was the message of Dr. Brian G. Chow, Associate Professor of Physics, to 11 congressmen in Washington at separate meetings last Wednesday and Thursday (September 14 & 15). Congress is debating whether amendments by Idaho Senator Frank Church and Congressman George Brown, Jr. of California should be added to President Carter’s energy proposal. A final House vote on the amendments was expected yesterday.

Dr. Chow completed a study on breeder reactors for the American Enterprise Institute for Public Policy Research, Washington, D. C., two years ago and concluded that the U. S. should not develop the liquid metal fast breeder reactor at an accelerated pace. His findings coincide with Carter’s plan to terminate the Clinch River Breeder Reactor Project, which is being introduced by Brown as an amendment. Church’s amendment would put the project in a holding pattern, with possible continuation later.

Since Chow’s study was published, similar conclusions have been reached by Princeton University, Rand Corporation and Ford Foundation in their studies. Previously, most research had been categorized as either being for or against nuclear energy. Chow feels we can be for additional construction of the present generation of

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nuclear power plants for the next 50 years and yet against certain types of future nuclear reactors, such as liquid metal fast breeder reactors.

In a recent Philadelphia Evening Bulletin article, Chow concluded that the "breeder's" high efficiency in uranium utilization is not sufficient to compensate for its higher plant and program costs. He feels we will have enough uranium to operate present-type nuclear reactors for this century and the early decades of the next.

Thus there is no longer a need to introduce fast breeder reactors by 1993 as previously suggested by the Energy Research and Development Administration (ERDA). In the past, ERDA had projected a very high growth rate in energy needs. By the year 2000, for example, they felt that a need for 1,200 gigawatts of nuclear capacity would be required. This was revised downward to 600 in 1976 and this year further decreased to around 400 gigawatts.

Another problem with FBR's in addition to cost has been with plutonium, which could have far reaching negative international implications on proliferation and terrorism.

Plutonium must be shipped from the breeder reactor where it is generated to the nuclear power plants where used to make electricity. While in transit, plutonium is vulnerable to illegal capture. Plutonium does not have an abundant isotope, and thus could be separated from the nuclear fuel with simple chemical methods and used to make nuclear bombs inexpensively and in a matter of months.

Dr. Chow feels the FBR program should continue, but on a broader basis. "We should redirect our efforts toward evaluating alternative breeders and advanced converters such as those based on Thorium as the fuel source, to increase security and emphasize non-proliferation," he believes.

If the breeder reactor is based on Thorium, Uranium 233 is produced in the breeder rather than plutonium and can be combined with readily available isotope U-238 before shipment to the power plant. Once this combination has taken place, the fuel can no longer be separated into bomb materials without using advanced technology available only to major nations, Chow concluded.

Congressmen meeting with Chow included Elford Cederberg, William Ford, Philip Ruppe, Bob Traxler and Guy Vander Jagt of Michigan; Clarence Miller, Mary Rose Ogar and Ralph Regula of Ohio; Ronald Sarasic of Connecticut; Paul Finley of Illinois and Larry Pressler of South Dakota.

SERIGRAPH EXHIBIT SHOWS CHINESE THOUGHT AND LANDSCAPE

World-renowned serigraph artist Thomas G. Yuhas will exhibit his work daily from Tuesday, October 4, through Friday, October 14, in the SVSC Arts Workshop.

His serigraphs are the result of a three-year stay in Taiwan, where Yuhas painted and taught art. The works are influenced by his deep feeling for Chinese thought and art. A book about his work was published in Japan recently, and Yuhas is represented in private and corporate collections in the United States, England, Germany, Switzerland, Japan, Taiwan, Hong Kong, Singapore and Burma.

"This will be our biggest show this Fall," said SVSC Art Department Chairman Dr. Barron Hirsch. The public is welcomed to view the serigraphs and study Yuhas' style without charge, said Hirsch.

Although Yuhas presently lives and works as an artist in Los Angeles, he completed his graduate work in art and art history at the University of Michigan. His initial college training was in philosophy and theology, but he later studied art in Mexico, at the Chicago
Art Institute, and at Notre Dame and the University of Michigan.

He has exhibited at one-man shows in Taipei, Taiwan, Hong Kong, Honolulu and in group shows around the world.

**NEW MASTER PLAN TO BE DISPLAYED FRIDAY**

Campus planners from Rossetti Associates of Detroit will be on campus this Friday, September 23, from 10 A.M. to 4:30 P.M. to meet with interested faculty, staff and students on the proposed revision of SVSC's campus master plan. Robert Greager will have a model showing his firm's proposed new look for the campus on display in the Student Concourse, located on the third floor of Wickes Hall.

"DELI LINE" OFFERS NEW TASTE VARIETIES

SVSC's cafeteria in Doan Center has added a new "Deli Line" this fall, thus offering an expanded variety of food selections for members of the SVSC community.

In addition to regular meal entrees, the Deli Line will offer new items such as fish burgers, tuna salad, assorted cold cut sandwiches, chicken giblets, french fries, braunschweiger, polish sausage, omelets, waffles and hot cakes. Chili, hard boiled eggs, american and swiss cheese, and potato chips will be offered everyday.

The lunch admission fee to the cafeteria includes the Deli Line, which was specially designed both for people who want a small meal and for those who are still hungry after sampling one of John Curry's fine main courses. Hours for lunch are 11:30 A.M. to 1:00 P.M. Monday through Friday.

**TWO MIDLAND-AREA STUDENTS QUALIFY FOR MERIT GRANTS**

Children of two SVSC employees from the Midland area are among 25 who have qualified for the semi-finals in the National Merit Scholarship Program. Approximately 15,000 students will compete for about 3900 National Merit Scholarships to be awarded next spring.

Qualifying were Nora E. Wineland, daughter of Bookstore Manager Betty Wineland of 3632 East Gordonville Road, Midland, and Stephen Yun, son of Dr. and Mrs. Suk Koo Yun, Associate Professor of Physics at SVSC, of 714 Columbia, Midland. More than one million students from 17,500 high schools participated in the National Merit Qualifying Test in 1976.

**SVSC NAMES NEW COORDINATOR OF RESIDENTIAL PROGRAMS**

Patrick R. Mattice has been named new Coordinator of Residential Programs for SVSC. A graduate of Michigan State University with a Master of Arts degree in Urban Counseling and Student Personnel, his responsibilities will involve administration, supervision, and programming in the area of residential programs.

Prior to joining the SVSC staff, he was a graduate resident advisor at MSU and has had experience in drug counseling and crisis intervention. He is the originator and facilitator of "The Better Half", a group dynamics seminar for teenagers between 13 and 16 years old.

"Pat Mattice's enthusiasm in training and dealing with students will be a great asset to our residential program, which is growing rapidly both in size and diversity of programs," said John C. Burkhardt, Director of Campus Life. "Because more SVSC students will be living in the residence halls this Fall than ever before, he will have an excellent opportunity for utilizing his skills in the further growth and development of an expanding program."

Mattice is a native of Sterling Heights and also holds an Associate degree from Macomb County Community College. His appointment was effective August 29.
GREENBERG ARTICLE PUBLISHED

An essay entitled "Blake's Vortex," by Mark Greenberg, Instructor of English, has been recently accepted for publication in the Colby Library Quarterly. The paper emerges from continuing work by Greenberg on the relationship between the words and visual forms in Blake's composite art. The author argues for multiple interpretations of the vortex image and for the image's importance as verbal and visual crux in Blake's art.

PARKING PERMIT DEADLINE HAS ARRIVED!

Faculty and staff members who still have not obtained their 1977-78 parking permit from the Department of Public Safety are reminded that tickets will be issued beginning on September 20 if the new stickers are not in place. The new permits cost $20.00 and are available at the Department of Public Safety Office in Doan Center. The new permits are valid through June 30, 1978.

PERSONNEL

CUSTODIAN I (C.E.T.A.) - Physical Plant. $4.52 per hour.

SENIOR SECRETARY - Bilingual/Bicultural Program. $3.53 per hour.

TRANSFER CREDIT CLERK - Registrar's Office. Part-time permanent. $3.14 per hour.

TRANSFER CREDIT CLERK - Registrar's Office. Part-time permanent. $3.05 per hour.

These positions will be open exclusively to SVSC employees for one week. Persons interested should contact the Personnel Office. SVSC is an equal opportunity employer.