Astronomer to Examine Evolution, Hubble Telescope in March 25 Lectures

How does cosmological evolution constrain the development of life and our picture of it? How has the Hubble Space Telescope changed astrophysics?

Dr. Steven Shore, chairman of the Physics and Astronomy Department at Indiana University at South Bend, will present his research on these issues during two lectures at SVSU on Friday, March 25.

"The Hubble Telescope: It Works!" will be presented at 3:30 p.m. in room 108 of the Science Building. Shore will discuss the history of the space telescope project from the late 1940s to the recent Hubble repair mission. Refreshments will be served before Shore is scheduled to speak.

"The Evolution of Life on Earth" will be the topic of Shore's 8 p.m. lecture in Marble Lecture Hall. He will offer theories on the key to evolution as well as the central ideas of the evolution and development of life on at least one terrestrial planet.

Shore, who received his Ph.D. in astronomy and astrophysics from the University of Toronto in 1978, has proven himself to be an extremely versatile astronomer and scientist in general. He is part of the Goddard Space Flight Center Science Team that developed the high resolution spectrograph, an instrument aboard the Hubble Space Telescope.

Shore's interests include the birth and infancy of stars, the evolution of the Milky Way galaxy, and, most recently, how life evolved on Earth.

Shore, who has traveled extensively, has worked, taught or lectured at such places as the Space Telescope Science Institute in Baltimore, the Observatoire de Meudon in France and the Universita di Pisa, Italy. He has been a part of such esteemed committees as the American Astronomical Society's Task Group on Education in Astronomy and currently is a scientific consultant to the Committee for the Scientific Investigation of Claims of the Paranormal.

Shore's visit is part of the Harlow Shapley Visiting Lectureship Program, which was awarded to the SVSU Physics Department by the American Astronomical Society.
Economics Society Presents Forum

A panel of three specialists will participate in a forum sponsored by the SVSU Economics Society at 2:15 p.m., Thursday, March 24 in the Ryder Center Dance Studio.

The forum will feature Dr. Inayat U. Mangala, professor of finance and commercial law at Western Michigan University; Leo F. Tseng, director of the commercial division of the Coordination Council for North American Affairs (CCNA) office in Chicago; and Huan-Guay (Peter) Cheng, director of Auditing for the Industrial Technology Research Institute in Hsin-chu, Taiwan. Cheng, who is a Taiwanese M.B.A. alumnus of SVSU, currently is the president of the Taiwan Association of Auditors.

The theme for the forum is "The Role of Pacific Rim Countries in the Global Economy."

Admission to the program is free of charge. For further information, contact Mahendra Kanthi at ext. 4379.

Concert Choir Performs Brahms Requiem

The SVSU Concert Choir will join forces with the Bay Chorale to present the Brahms Requiem at 8 p.m., Saturday, March 26 in the SVSU Theatre.

Joining the two choirs, which will number more than 100 vocalists, will be soloists Julie Meyer, SVSU adjunct faculty member, and Victor Klimash, director of the Midland Music Society. The entire ensemble will be accompanied by a large orchestra consisting of members of the Saginaw Symphony and the Midland Symphony.

"The Brahms Requiem is a Romantic vocal/orchestral work of almost unparalleled beauty for this period," said Eric Nisula, professor of music. "Its only rival is the Verdi Requiem.

"Brahms was a master of both choral and instrumental music," Nisula said. The texts for the Requiem were chosen by Brahms from various parts of the Bible. The section titled "How Lovely Is Thy Dwelling Place" has been called a "Requiem for the Living" because of its message of consolation and hope.

Tickets for the March 26 performance, which are $5 general admission, $4 for students and senior citizens, will be available at the door. SVSU faculty and staff may receive a complimentary ticket by contacting the Department of Music at ext. 4159.

A repeat performance of this concert is scheduled for 4 p.m., March 27 at St. Stanislaus Church, 1503 Kosciuszko, Bay City.

Pat Cronley Joins SVSU Jazz Ensemble for March 31 Concert

The SVSU Jazz Ensemble will welcome guest artist Pat Cronley on piano for a 7:30 p.m. concert, Thursday, March 31 in the SVSU Theatre.

Since graduating from high school, Cronley has been a full-time musician. While he performs mostly in the southeast Michigan area, Cronley has made appearances at jazz festivals throughout the U.S. and Europe. He also works as a composer and arranger for various radio and TV projects. He currently is recording a pop-jazz album, which he expects to complete this spring.

Tickets, which will be available at the door, are $3 general admission, $2 for students and senior citizens. Complimentary tickets are available to faculty and staff. For further information or reservations, contact the SVSU Department of Music at ext. 4159.
BIDI Welcomes Small Business Services Coordinator

The campus community is invited to a welcome reception for Christine M. Greve from 4 to 5 p.m., Tuesday, March 29 in the third floor reception area in Wickes Hall.

As the coordinator of small business services in the Business and Industrial Development Institute (BIDI), Greve assists existing and new businesses to develop business and marketing plans. She coordinates the Saginaw Valley Entrepreneurs Club and its Entrepreneur of the Year award ceremony. She will provide program and budget tracking assistance to the local affiliate of the Midwest Manufacturing Technology Center, located at BIDI.

Greve, a 1992 honors graduate from SVSU, has previous work experience as an administrative assistant with the Ashman Court Hotel and 12 years as a dental office manager. While an SVSU student, Greve held internship positions at St. Luke's Hospital and the Mid-Michigan Regional Medical Center.

Her active memberships include the Midland Art Council and the Midland Community Cancer Services. Greve resides in Midland with her husband and two daughters.

Campus Happenings

- **University Art Gallery:** The Detroit Printmakers Consortium will have works on display through March 30. For more information, call ext. 4391 or 4159.

- **Valley Film Society:** *The Awful Truth* (USA: Leo McCarey, 1937) and *Exterminating Angel* (Mexico: Luis Bunuel, 1962) will be screened at 7:45 p.m., Friday, March 25 in the SVSU Theatre.

- **Valley Film Society:** *The Trial* (France, Italy & Germany: Orson Welles, 1963) will be screened at 7:45 p.m., Friday, April 1 in the SVSU Theatre.

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SVSU HOSTS HIGH SCHOOL HACKERS — Nineteen teams of high school computer programming students competed for cash prizes as part of an eighth annual contest sponsored by the SVSU Chapter of the Association for Computing Machines (ACM). Contest Coordinator Moe Bidgoli (standing right), associate professor of computer science, observes the progress of the team from Grand Blanc High School. Troy Champayne (standing left), an SVSU student and ACM club member, served as judge for the Grand Blanc team of (from left) Chris Eck, Pat Neckolaishen and Ryan Berry. Sandusky High School won the contest, followed by Mayville and the Center for the Arts and Sciences.
Professional Profile


- Elaine Stephens and Jean Brown, professors of teacher education, have had an article, titled "Discussion Continuum," accepted for the *Journal of Reading*, which is published by the International Reading Association.

- Gladys Hernández von Hoff, director of the Bilingual Center and campus administrator of the Macomb graduate program, participated in the development of a recent publication, titled "Guide to Processes and Instruments for Assessing Limited English Proficient Students." The goal of this handbook, which was published by the Ohio Department of Education, is to assist school district personnel with the proper assessment of limited English proficient students.

- Jill Wetmore, associate professor of finance, has had an article accepted for publication in the *Journal of Economics and Business*. The article, which is titled "Loan-Loss Provisions of Commercial Banks and Adequate Disclosure: A Note," is coauthored with John R. Brick, professor of finance, Michigan State University.

Across Campus

- The Gomez family would like to express sincere thanks and appreciation to those at SVSU who provided support, prayers, cards, flowers and donations following the loss of the Gomez' mother/father, grandmother/grandfather.

High Five

- **Baseball**: Improved their record to 11-2 with a pair of wins Saturday, March 19. The Cards, who now are ranked No. 26 in NCAA II, defeated Huntington College 6-0, 2-1. SVSU also defeated Huntington 9-7 on Friday.

- **Bowling**: finished second in a national qualifier March 12 to advance to next month's National Intercollegiate Bowling Championships in Carson City (NV). SVSU was ranked No. 16 nationally in the most recent Collegiate Bowling Poll. Anyone interested in purchasing raffle tickets to help defray costs for airfare and meals at the nationals should contact Dan Dorian, head coach, at 894-4448. SVSU won the national championship in 1991—the only Michigan school ever to claim the national bowling title.

- **Softball**: opened their 1994 season last weekend with wins over Dartmouth University, 9-2, and Seton Hall, 6-3. Keri Becker was 4-for-6 hitting for both games.

- **Men's Basketball**: named two-time GLIAC scoring champion Michael Williams the team's Most Valuable Player. Others earning special honors were Brian Paluk, Most Improved Player; Kevin Hankerson, Spirit and Hustle Award; and Daniel West, Outstanding Defensive Player. The Cards finished the season with a 14-12 record.

- **Women's Basketball**: honored Char Oesterling as Most Valuable Player at the team's awards banquet March 14 at Zehnder's in Frankenmuth. Other players receiving recognition were: Alisa Niederstadt, Most Improved Player; Tracy Bruno, Spirit and Hustle Award; and Kim Richards, Outstanding Defensive Player. The Lady Cards posted a 16-9 record.

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**Summer Sports Camps**

Children of SVSU employees will receive a $15 discount on the camps listed above. Call ext. 7300 for further information or registration materials.
No one has ever accused Russ Gingras of going to the dogs, but he will readily admit to enjoying going with his dogs.

For more than 20 years, Gingras has honed his dog handling skills while preparing his English Setters to perform in field trials. The competitions test the mettle of hunting dogs to assist their masters in pursuing wild game. There are various categories, based upon canine age and the tasks performed. Gingras’ dogs are pointers, trained to track and locate game birds, then “point” them out by holding a fixed position with nose and tail extended, forepaw lifted.

Training the dogs, and competing, is “a lot of fun,” Gingras says. “I enjoy it. It gets you outdoors and gets you to exercise at times when you might not otherwise do it,” he says, noting that hunting seasons are of limited duration, but working with competition dogs can take place anytime.

This winter Gingras even tried out a suggestion by a person from Minnesota and worked his dogs from cross-country skis. With the leads anchored around his chest, he used his poles to maintain balance if the dogs changed direction unexpectedly. “The biggest problem occurs when deer or other game distract the dogs,” he says.

In warmer weather, Gingras uses a special coil spring that prevents the dogs from tipping his bicycle when he combines their exercise stints with his trail riding. Of course, much of the training occurs year round during walks in the fields and woods.

Gingras says he prefers field work to actual hunting. “It’s simulated hunting. You have just as much fun and you don’t do any killing.”

Although he raises an occasional litter of pups, Gingras usually purchases his hunting dogs from other breeders. “I get them at about seven or eight weeks, and the training begins right away,” he says. “We start on obedience, with simple commands like ‘Come’ and ‘Sit’ and ‘Whoa.’ You want a pointing dog to remain steady when the gun is fired.”

The guns used in field trials do not actually fire bullets, but simulate the sound of a real gun, Gingras notes.

Socialization of the pups also begins early. “Studies with leader dogs show that you should begin socialization at seven weeks,” Gingras says. “Hunting dogs range out as far as a quarter mile. They must want to pay attention to you or they will not handle well.”

As the pups progress, Gingras uses homing pigeons to teach them to point and hold the point. He does all the training himself, and his dogs have won several competitions, though never a championship, he says. He usually keeps three, occasionally four, dogs of various ages.

While field trials are conducted at various sites in Michigan and surrounding states, Gingras most frequently participates in competitions that take place in the Gladwin Game Refuge near Meredith.

He notes that a love for dogs and competition runs in his family. “I have a sister who shows Rhodesian Ridgebacks and a brother who enters Border Collies in competition.”
Brian Mudd works in an environment that is, even more than most, affected by rapid changes in technology.

“There is a misconception about libraries as a whole,” Mudd says. “We are entering the ‘Information Age,’ and that will entail much more than books. Communications are merging with video, which is merging with access to information, which is merging with television. There is more to libraries than just showing books or videos,” he notes.

Audio/Visual Services, along with other Zahnow Library units, is making changes that incorporate technological advances. “We are working toward and planning on implementing the usage of the Dynix automated cataloging system,” Mudd says. “That will allow us to track usage of the (media) collection much more easily.

“The goal is to make it easier for instructors to get equipment in and out. It is basically the same system the library uses with books,” he says.

Mudd joined the SVSU library staff in 1987. He oversees the circulation of audio/visual equipment and media, as well as demonstrating usage of special equipment. The department also supervises the photocopying and microfilming operations of the library.

Other duties include keeping audio/visual equipment in good repair and updating media collections to assure a supply of instructional materials that are useful for faculty. Presently there are some 1,500 videos, about 100 films, 2,600 record albums, 200 C.D.s and 10,000 slides in the collection.

“There is a wide variety of instructional aids available for faculty to utilize, and we have the equipment to use all those,” Mudd says. “Part of my job is familiarizing faculty with our reserve process. We have tried to set the circulation system up so that faculty can come in and get their materials and get out as quickly as possible. If they call ahead, we can get the media and materials ready for them.”

Mudd enjoys the personal contacts his position offers. “I enjoy working with library patrons. There always is a new question; always something coming up,” he says.

He also enjoys the challenge of incorporating new technology into the services offered by his department. “I attended a seminar last summer that stressed the need to do more than just show a video to students. Instead, faculty must make the visual presentation part of the lecture; it should be an interactive process. My role is to make it easier for faculty to utilize these tools to help students learn.

“We are working at becoming more involved in multimedia presentations. Instructors find they can reach students through multimedia presentations; lessons tend to stick more in the students’ minds,” he says.

The recent “State of the University” address, which included digital photographs loaded from C.D.s into a computer program and projected to a large screen, is an example of the emerging technology. “Keeping up is a challenge,” Mudd says. “It is literally changing every six months or faster.”
A special thanks for help with the Valley Festival of the Fine Arts

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