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# Mathematics Conference At PLU



## Mayhew

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Are machines turning out mediocre students from the modern, high-priced classroom? Is "plug-in" instruction good or bad?

Dr. Patrick Suppes, mathematics professor at Stanford University and a nationally-known leader in mathematics education, discusses his stand favoring computerized instruction with 1,500 mathematics teachers from Washington, Oregon and British Columbia Oct. 4-5. He is one of eight distinguished mathematicians addressing the 7th Annual Northwest Mathematics Conference at Pacific Lutheran University.

In an article entitled "Plug-in Instruction" published in the Saturday Review in July 1966, Dr. Suppes defended the use of computers in education. "Contrary to the expectations of many, the computer may make classroom teaching more, rather than less, an individual affair. And in doing so it will facilitate learning at a speed and depth of understanding that now seems impossible to achieve," he said.

Other well-known mathematicians participating in the conference include Dr. Howard Eves, University of Maine; Fr. John Egsgard, St. Michael's College  
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## ROUNDTABLE

Dr. Donald R. Farmer (pol. sc.) has been elected chairman of the Republican Party in Pierce County. Dr. Farmer's selection was unanimous at a Sept. 24 meeting attended by the elected Republican precinct committeemen of Pierce County. . . Dr. Gundar King (bus.) was the subject of two Seattle television interviews this past week as spokesman for the group speaking in opposition to Initiative 245, which would reduce the maximum amount which may be legally assessed as a service charge on retail installment transactions and also would reduce the minimum service charge on retail installment contracts. . . Mrs. Lee Mountford (academic v.p. sec.) left Tuesday on a one-month vacation trip to her native England. Most of the time she and her husband will be in her home town, Bispham, near Blackpool. . . Dr. George Arbaugh (philosophy) suffered a fractured ankle Saturday morning while playing tennis. . . Robert Ehli (security) is a patient in Madigan General Hospital where he is recuperating well, at last report, from a blood clot in his leg. . . J. E. Danielson (admissions) was in Pullman Monday attending an admissions conference. He leaves this weekend on a two-week student recruiting trip to Montana. . . Jim Van Beek (financial aids) returned Monday from a 10-day trip to Minneapolis and the eastern seaboard where he attended conventions and represented PLU at a series of college nights. . . Jon Olson (alumni) reports that 17 alumni served breakfast to freshmen students Saturday morning in the cafeteria. It is hoped that this frosh pancake feed will be an annual affair. . . President Robert Mortvedt left Wednesday morning for New York where he will attend sessions of the Division of College and University Work of the Lutheran Council-USA. Enroute home he will attend two conventions of educational groups in Denver Oct. 8-11. He will return Oct. 11. . . THE RED COATS ARE COMING. . . MONDAY, OCT. 14. . . tickets are going fast. . . This Saturday is the day Dorothy Tollefson (nursing) becomes Mrs. W. Powell Cone in nuptials in Grace Lutheran Church, Tacoma. . . Another "casualty" is Dr. Joseph Anderson (religion) who suffered a shoulder separation last week when he fell

## MATH CONFERENCE cont.

School in Toronto; Dr. Jack E. Forbes, Purdue University; Boyd H. Henry, College of Idaho; Dr. James R. Smart, San Jose State College; Dr. Eugene P. Smith, Wayne State University in Detroit; and Dr. Robert Wirtz, University of California at Santa Cruz.

The conference is sponsored by Pacific Northwest professional mathematics associations. Alan O. Martin, supervisor of mathematics for the Tacoma Public Schools, is chairman of the event.

## Did Leif Erickson Discover America?

Dr. Ole G. Landsverk, renowned cryptographer from Glendale, Calif., gave three lectures on campus Thursday concerning his findings during research into the discovery and colonization of the North American continent by Norsemen.

(For those who receive the Knight-letter Thursday afternoon, the final lecture is at 4:30 p.m. in the Jacob Samuelson Auditorium (A-101) in the Administration Building, complimentary to the public.)

In 1963-64 Dr. Landsverk spearheaded a nation-wide drive to give Leif Erickson proper credit as the discoverer of America. In 1964 the Congress of the U.S. designated October 9 of each year as Leif Erickson Day. At that time, Hubert H. Humphrey, then in the Senate and the person who guided the legislation through the Congress, told Dr. Landsverk, "Surely this would not have come to pass if you had not taken such a direct hand in the process."

Dr. Landsverk is the author of the book, "The Kensington Stone--A Reappraisal." His is co-author with cryptanalyst Alf Monge, of the book, "Norse Medieval Cryptography in Runic Carvings."

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off a swing while playing with his children.

# Dr. Mayhew Sparks Curriculum Dialogue



A decrease in the number of courses offered and class emphasis on student needs rather than the subject were among numerous curriculum changes suggested by Dr. Lewis B. Mayhew during his two-day stay at PLU last week.

Dr. Mayhew is a professor at Stanford and an authority on education and curriculum planning.

Admittedly candid in his remarks, Mayhew expressed doubt that faculty groups could substantially change university curriculums. He charged that the nature of a teacher's position and individual interests were handicaps to effective team planning.

Mayhew saw the faculty as a conservative force and described administration as dynamic, but felt that the combination, working in the proper balance, could be very effective. He added that the establishment of cooperative working relationships between faculty and administration is one of the profound needs in higher education today.

"An ideal proper balance," he proposed, "would give faculty virtually complete powers over curriculum, membership, conditions of student acceptance and some broad policies; the administration would control the purse, agenda, policy implementation power and 'the charisma of power'."

He attacked a number of the "sacred cows" in education. Advocating fewer

courses in the curriculum with each instructor cutting down on courses as well, Mayhew remarked, "An instructor would be doing well to teach one course as it could be taught with so much new information coming out each year."

He also suggested that student's college years should be leisurely rather than frenzied. "At first they will do a terrific job of goofing off," he said, "but eventually they will learn to use their time very effectively."

The Stanford professor even envisioned a senior year with no course requirements whatsoever.

He stressed especially that study should be made relevant to life as the students see it, suggesting fewer courses and stress on the student rather than on the course itself. With the recent explosion of knowledge, he advocated developing skills for the management of knowledge rather than teaching knowledge.

Mayhew listed curriculum practices he believed outdated: language, lab science and math requirements; assuming all assignments are read, so the more reading assigned, the more knowledge assimilated; graduate work is built on undergraduate education; success in courses is related to success in life; and that the students should be as interested in the course material as is the instructor.

"Curriculum should prepare people for  
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# Marine Band

## Visits Oct. 14

"The Red-Coats are coming!"

You've seen the slogan on pins, posters, car stickers and even as space-fillers. If this were 1775, the announcement would be ominous as it would herald the militant approach of the British troops.

Now it is good news and means that the red-coated United States Marine Band will arrive at Pacific Lutheran University Memorial Gymnasium on Oct. 14 under the auspices of the Lute Club as a part of the Presidentially approved tour, for the more peaceful purpose of presenting two thrilling concerts.

Matinee and evening concerts will be presented at Memorial Gymnasium with musical works by the world's finest composers, stirring marches, and solo performances which have brought the Marine Band acclaim from visiting dignitaries of almost every country in the world.

Under the directorship of Lt. Col. Albert Schoepper, the Marine Band is known to millions of Americans through its annual tours, its frequent radio and television appearances and its concert series in the Nation's Capital. The annual tours originated under the direction of John Philip Sousa in 1891 and have afforded Americans living outside the Washington area an opportunity to see and hear the world-famous band.

Given the title "The President's Own" by Thomas Jefferson, the Marine Band has played for every inauguration since. It was created in 1798 by an Act of Congress.

The uniforms of this world-famous musical group are distinctive -- the Marine Band is the only American military organi-



zation still wearing the red coats copied from the British during the Revolutionary War.

Though variations of the scarlet coat have been made through the years before the Marine Band settled on the uniforms worn today, the organization's dress is only a badge of identification. No matter what the uniform, the Marine Band has been presenting the best in symphonic and band music for the President of the United States, visiting dignitaries and the American public.

The matinee begins at 1:30 p.m. Monday afternoon; admission is \$1 for adults and 50¢ for children. The evening concert begins at 8:15 p.m., with reserved seats \$2.50, general admission \$2 and students \$1.

DR. MAYHEW cont.

the kind of life they are likely to lead." Mayhew asserted. "As it is presently set up, it tends to prepare them only to be college professors."

Mayhew's visit to the PLU campus came as a part of a core curriculum conference. The university is presently studying proposed curriculum changes and it was hoped that Mayhew's challenges would stimulate action toward the approval and implementation of these changes.

# Dr. Ostenson Joins Expedition Off Antarctica

A Pacific Lutheran University professor departed this week for Adelaide, Australia, where he will join a scientific expedition headed for the frigid waters off Antarctica.

Dr. Burton T. Ostenson, biology professor and chairman of the PLU science department, is part of a research team conducting oceanographic studies for the U.S. National Science Foundation in the waters between Australia and Antarctica.

At the same time, Dr. Ostenson will be conducting independent studies on the habits and migrations of seals and whales. This is a continuation of research on marine mammals which he began in 1960-1961. At that time Dr. Ostenson, his wife and son Dick, spent the winter in the Eskimo village of Point Hope, Alaska, conducting bioenvironmental studies for Project Chariot of the U.S. Atomic Energy Commission.

Dr. Ostenson will spend two months aboard the U.S.N.S. Eltanin, a research vessel operated for the USNSF. The expedition team, under Dr. A. W. Fairhall of the University of Washington Department of Chemistry, will spend 60 days at sea collecting and processing water samples as part of a Carbon 14 research project.

The purpose of the project, according to Dr. Ostenson, is to record the flow of waters originating in Antarctica.

Following his return to Wellington, New Zealand in mid-December, Dr. Ostenson will spend a month visiting museums and universities in New Zealand, expanding upon his research findings.

The remaining months of his sabbatical leave will be spent at museums and universities in the United States.

## DEBATING SQUAD NEEDS MAGAZINES

The Pacific Lutheran debating team needs last summer's issues of major news-magazines, Newsweek, U. S. News and World Report, Time, the Economist and any other related magazines. Call Mickey Revis at ext. 238. She will make arrangements to have the magazines picked up.



Dr. Burton T. Ostenson

## BIRTHDAY LIST

Arthur Gee	October 3
William Gilbertson	October 4
A. D. Buchanan	October 7
Mary Ice	October 7
Dawn Fredericks	October 8

## Plans India Trip

Gary Peterson, an instructor in the mathematics department, departs this week for Old Delhi, India, where he will teach geometry and algebra to Indian secondary school teachers.

The in-service institute in which he is participating is being held at Rangas College. Peterson will also be visiting secondary schools in the area as a consultant for the National Science Foundation.

"It's an experience that should be very worthwhile," Peterson noted. "It will give me a chance to become aware of what the rest of the world is doing."

On a leave of absence for the remainder of the fall semester, Peterson expects to be back at PLU in time to start the second semester.



# Knights Prepare For College of Idaho

Coach Roy Carlson's Knights are optimistic about next Saturday's contest with College of Idaho. According to Carlson, "All the teams we play are tough," nevertheless, both he and the team are looking forward to a big first win of the season at Caldwell.

As has been the case since the beginning of the season, the quarterback and fullback positions are still in a state of flux. Bob Lovell, who started at quarterback against UPS, has the nod for Saturday's game. The fullback slot is more uncertain.

Mike Robbins is running number one at the position now, but could get competition from Hans Lindstrom or Grant Spencer. Lindstrom is back in pads after recovering from a pre-season injury and Spencer is nursing a hip pointer. Either or both might be ready for action against C of I.

Other changes include Dennis Hillesland at defensive end; Ross Boice at left guard and Rick Johnson has moved into the left tackle slot after a late start.

Both teams will be primed for a victory. College of Idaho lost their opening contest to a powerful Linfield squad last Saturday 45-13.



Runners begin Saturday race

## PLU HARRIERS EDGED

Pacific Lutheran's cross-country team got their first taste of competition Saturday in a meet here at PLU, taking it on the chin in a meet with Pacific, 23-32.

Mike Olan of Pacific won the three-mile race in 15 minutes, 50 seconds. Right behind him until the end was Pacific Lutheran's Jerry Gugel, a sophomore, who finished in 15:56.

Also placing for the Knights was Don Milholland, a freshman, who finished with a time of 16:30.

Finishing seventh, eighth and tenth for PLU were junior Doug Nixon, freshman Chris Buck and junior Ron Wilson.