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January 2002

Northridge Receives \$809,882 Grant to Aid Science Teachers

Program Will Help LAUSD Science Teachers Make Topic More Exciting and Meet New State Standards

Cal State Northridge has been awarded an \$809,882 grant from the California Postsecondary Education Commission to help local teachers make science learning more exciting, particularly for students in low-performing Valley schools.

The three-year grant from the Eisenhower Professional Development Program will fund "The Los Angeles Super-Funded Science Leader Initiative at Cal State Northridge" from December through September 2004. The program expects to involve 31 schools and reach about 120 public school science teachers.

With the planned lead involvement of Reseda High School and about a half dozen middle schools in the Los Angeles Unified School District, the program through Northridge's Center for Cancer and Developmental Biology expects to train science teachers who will reach more than 18,000 students during the grant.

The grant will fund efforts designed to help teachers make science exciting and something kids want to learn, while also meeting the state's new science standards. The program will work closely with LAUSD teachers in the San Fernando Valley, many of whom have emergency credentials and no training in the sciences.

"Science can be exciting or science can be boring, depending on how it's taught," said Steven Oppenheimer, a CSUN biology professor and one of five co-directors of the project. "Our programs are designed to excite students about science. We have a lot of hands-on activities, a lot of



Biology professor Steven Oppenheimer (at left) works with students in research lab.

experimental activities and a lot of discovery activities."

Oppenheimer said the program could become a national model for

how to provide teacher enhancement programs that work. The other program co-directors are Northridge geological sciences professor Gerry

Simila, assistant biology professor Virginia Vandergon, secondary education professor Norm Herr, and Tony Recalde, the science magnet director at Reseda High School.

Oppenheimer said the grant funding will allow the university's teacher enhancement program to operate year-round, which he called key for successful implementation of the program in the classroom. The university has already offered science training for teachers during the summer.

"But summer-only programs don't allow for immediate classroom implementation, and therefore are usually less successful," he said. "It's harder to carry on that excitement of a state-of-the-art lesson into a classroom if substantial time has passed."

Oppenheimer said the timing of the grant is particularly important given recent reports that California's students ranked last among 40 states in a nationwide examination on their science literacy.

"I think we are dealing with a crisis in science training as demonstrated by the scores on these exams," Oppenheimer said. "The security of this country is threatened because security is fully dependent on having the top scientists in the world. And if our science training is third-rate, then our security is definitely threatened."

The grant is the latest in a series to Northridge's Center for Cancer and Developmental Biology, which has garnered about \$6 million in external funding in the past several decades, according to Oppenheimer, the center's director. ■



Community Connection

By Judy Nutter, Director of Community Relations

In the October edition, I introduced you to the university's new outreach program, Snapshots of CSUN, and invited you to participate. Many of you did. As a matter of fact, Snapshots has been most enthusiastically received by the community. Some folks have asked to take several of the tours. Others are on waiting lists for the spring semester to make certain they see all "the best of CSUN."

From February through April 2002, we will be offering a lineup of six new opportunities to visit

Cal State Northridge to learn about what your university is providing to its students, to the Valley community and beyond.

We will re-visit some very special programs such as the Center of Achievement for the Physically Disabled, where we will witness therapy techniques that some would describe as miraculous.

We also plan to visit the beautiful Oviatt Library again to see its centuries-old collection of Bibles and learn how the library's automated

Community Connection continued on page 3.

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Northridge

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Northridge Makes a Ma

University Leads State Schools in Teacher Preparation

Northridge College of Education Programs Respond to California's Major Demand for Well-Trained Educators

Cal State Northridge, through its College of Education, once again is California's leading public university in preparing future elementary and high school teachers, according to the latest statistics from the California Commission on Teacher Credentialing.

Students from Northridge's College of Education were awarded 795 teaching credentials during 1999–2000, more than any other public university in California. That total included 602 multiple subject credentials for elementary school teachers and 193 single subject credentials for high school teachers.

"You don't become the leader and stay the leader without good reasons," said Philip Rusche, dean of Northridge's College of Education. "Our good reasons are strong faculty, quality programs and committed students. We're big because of the quality of what we do."

According to the CTC data, Northridge was followed by Cal State San Bernardino with 783 single and multiple subject credential recipients and Cal State Dominguez Hills with 749 recipients during 1999–2000. In total, the entire CSU system was responsible for 10,359 teacher credential awards during that year.

Northridge's College of Education is continuing to respond, with the rest of the Cal State system, to the



State Superintendent of Public Instruction Delaine Eastin and Dean Philip Rusche.

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and stay the leader without good reasons.
Our good reasons are strong faculty,
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—Philip Rusche, Dean of the College of Education

state's dire need for well-qualified teachers. According to the most recent state report, 18 percent of the certificated public schools staff in Los Angeles County (16,120 educators) worked on emergency permits during 1999–2000.

The high share of Los Angeles County public school educators working without being fully credentialed compared with five percent of public school educators in San Diego County and eight percent in Orange County. Emergency permits allow teachers to work in public schools before they have earned their teaching credentials.

Northridge's education college is facing the challenge of having a very high share of part-time credential candidate students, by some estimates up to 90 percent, because its students typically are hired by school districts under emergency permit status almost before they have even begun their credential programs.

Although the state and the CSU system are facing budget reductions in the coming year, Rusche said Northridge's teacher preparation programs likely will continue to grow. "We're committed to continuing to address the education workforce needs of the greater San Fernando Valley," he said. ■

Professor Awarded Grant to Prepare 40 Bilingual Teachers

New Program, Recruiting from Bilingual Teacher's Aides and Seniors, to Begin in Spring 2002

Cal State Northridge and its College of Education, through the efforts of secondary education professor Clara Park, have received a \$743,515 grant from the U.S. Department of Education to train bilingual teachers in the Los Angeles area.

"Los Angeles TAP (Teachers and Personnel) 2001: Bilingual Teacher Education Project" during a three-year period will educate 40 new bilingual teachers fluent in the Armenian, Korean, Spanish, Chinese, Tagalog, Vietnamese or Cambodian languages.

Through this grant, Cal State Northridge will become the first teacher education institution in California to educate Armenian and Pilipino bilingual teachers for state certification, said Park, the coordinator of the project.

"Due to recent demographic changes, public schools in California need more bilingual teachers," she added. "As one of the best and largest teacher education institutions in the



state, Northridge is fortunate to receive this federal grant to educate a fine cadre of bilingual teachers."

"To provide effective instruction for these limited English proficient

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—Clara Park,
Secondary Education Professor

students, schools and school districts need to hire more bilingual teachers, and there is a great shortage of well-qualified bilingual teachers," she said. Park was awarded the grant in

October by the U.S. Department of Education's Office of Bilingual Education and Minority Language Affairs. She has already begun recruiting bilingual participants, working closely with local school districts, including Los Angeles, Glendale and Burbank.

The actual TAP coursework will begin in spring 2002. Park is recruiting from a pool of bilingual teacher's aides, as well as Northridge seniors who are fluent in one of the specified languages and interested in a teaching career.

Undergraduate students with a minimum 3.0 GPA participating in the project will be eligible for scholarships for tuition and books until they complete the Northridge credential preparation program.

Park joined the College of Education as a full-time professor in 1991. With a master's and Ph.D. in education from USC, Park specializes in literacy, English-as-a-Second-Language (ESL) and bilingual education. ■

Major Impact in Education

Northridge Alumnus is 2001 State Teacher of the Year

Charles Malloy Credits Special Math-Education Program with Revitalizing His Teaching Skills

Cal State Northridge alumnus Scott Charles Malloy began his teaching career long before coming to the university. But it is the special training that Malloy received here that he credits with reinvigorating his teaching and ultimately aiding his selection as California's 2001 Teacher of the Year.

Malloy earned his master's degree in mathematics from Northridge earlier this year after seven years of study while working as a public high school teacher in Orange County. Just as he was nearing completion, Malloy was chosen as California's Teacher of the Year in October 2000 and represented the state in the national competition.

"I'm happy if I can do my part to make CSUN shine, because I had excellent experiences there," said Malloy, who teaches advanced mathematics such as calculus and trigonometry at Brea Olinda High School in Brea. While there, he's managed to accomplish the near impossible—having students

clamoring to get into his classes.

Malloy said part of his inspiration grew from participating since 1994 in a special Northridge program for secondary math teachers run by

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if I can do my part to
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—Scott Charles Malloy

Linda Huetinck, a professor in the College of Education's Secondary Education Department. The program blended education and math classes for teachers with an emphasis on educational technology.



Funded by a special five-year grant from the National Science Foundation, the so-called Viz-Math program, now completed, encouraged the use of visuals in

math instruction. "It really reinvigorated my teaching, and led me to later introduce both Advanced Placement Statistics and Computer Science at my school," Malloy said.

"That program was fantastic," he added. "Many of my classmates in that program have gone on to become leaders in math education, presenting at virtually any conference or workshop I attend. My interest in math really came alive in Viz-Math," said Malloy, who reached another milestone when he was married in April.

As California Teacher of the Year, Malloy said he has delivered a speech to 5,000 PTA members at their state convention, participated in the first annual state teachers forum in Sacramento this past summer and appeared on television.

Malloy's philosophy of teaching is "a great teacher should be a great learner." On the side, he teaches chess to elementary students in his district's after school program. ■

Cal State, UC Agree to Expand Joint Education Doctorates

Northridge Already Talking with UCSB About Programs in Curriculum and Educational Administration

The Cal State system has reached a historic agreement with the University of California to expand the offering of joint doctoral programs in education, helping open the door for exploration of the first doctoral program at Cal State Northridge.

The agreement caps a yearlong effort by the CSU to make the Ed.D. degree more accessible and affordable to California's working educators. Northridge's College of Education already has been discussing two possible joint doctoral programs that could be offered with UC Santa Barbara.

Dean Philip Rusche of Northridge's College of Education said administrators and faculty members at both campuses appear committed to pursuing potential joint doctoral programs in education. But Rusche said it may be some time before any final decisions are reached.

A joint Northridge-UCSB committee was formed last summer to begin exploring a joint doctoral program in curriculum instruction, Rusche said. Currently, the two universities are forming another joint committee to explore a potential Ed.D. program in educational administration.

At the CSU system level, Chancellor Charles B. Reed praised the outcome reached by the two university systems. "This is a win-win situation for the California State University and the University of California. But even more, it will be of significant benefit to students in all regions of the state," Reed said.

"The most important aspect is that we will be serving the needs of K-12 and community college leaders who want to continue their own education, which in turn will further the education

of their students," Reed added.

The new agreement, described as a "co-equal partnership," achieves the CSU's goal of rapidly expanding the availability of public Ed.D. programs. The agreement creates a joint CSU-UC Ed.D. board, which will be co-chaired by David Spence, the CSU's executive vice chancellor and chief academic officer, and his counterpart in the UC system, C. Judson King, provost and senior vice president.

CSU campuses will be encouraged to submit proposals as soon as possible to the joint board so they can be evaluated. The board immediately will begin developing and implementing proposals for more joint Ed.D. programs. The first new programs could begin as early as fall 2002.

The two university systems have agreed to spend \$2 million each on the

effort for the first two years. Programs will be developed so that Ed.D. students can attend part-time and still remain in their jobs as teachers, faculty or administrators at schools and community colleges.

Under the California Master Plan for Higher Education, the University of California has the sole public authority to offer the doctorate. But in the mid-1960s, the UC and CSU partnered to offer a few joint programs. CSU campuses currently offer 17 doctoral programs in conjunction with UC campuses or private universities.

Three of the 17 are Ed.D.s in education, and the rest are Ph.D. programs, although none of those are at Cal State Northridge. The CSU system already prepares about three of every five teachers in California and about half of its K-12 administrators. ■

Community Connection *continued from page 1.*

book retrieval system works. And what an amazing system it is. A book can be requested from a librarian, and from the hundreds of thousands of books stored in the system, it will identify the location of that book, retrieve it and deliver it to the request desk within five minutes.

Our guests also will be treated to a special performance by one of our exceptionally talented music students in Nordhoff Hall, which is home to our Music Department. Did you know that *U.S. News and World*

Report magazine rates our music program in the top six percent of music graduate programs in the United States?

Some programs that were not showcased in the first semester of Snapshots will be featured during the spring semester experiences. Among those will be biology professor Steven Oppenheimer's cancer research, our dance and aerobics studios, and our own observatory right here on the Northridge campus.

We will learn about the micro-

mouse project in the College of Engineering and Computer Science, and see the Gymnosperm Forest on our way to the Planetarium. There is something on this campus for everyone, and more than enough to provide interesting and educational Snapshots experiences semester after semester.

Each Snapshots tour concludes with a light lunch and the opportunity to visit with one of the college deans or a member of the faculty or administration. This is a feature that our past participants have truly enjoyed.

If you would like to receive a schedule for the spring 2002 semester, please e-mail your request to judith.mutter@csun.edu or give me a call at (818) 677-2123. I hope you will find the time to visit Cal State Northridge. We will do everything possible to make it an enlightening and enjoyable experience.

In the meantime, I offer you all my very best wishes for a happy holiday season. ■

New Campus Signage Headed for Nordhoff

Project Begun in December to Place Six Monuments at Four Intersections

A long-awaited project to install attractive new Cal State Northridge cornerstone monument signage along the campus' Nordhoff Street frontage—part of the university's broader signage enhancement program—got underway in December.

The project, financed with federal earthquake recovery funds, will install six large brick cornerstone monument structures—each prominently bearing the name "California State University, Northridge"—at four intersections on Nordhoff Street along the front of the campus.

Each monument will consist of an

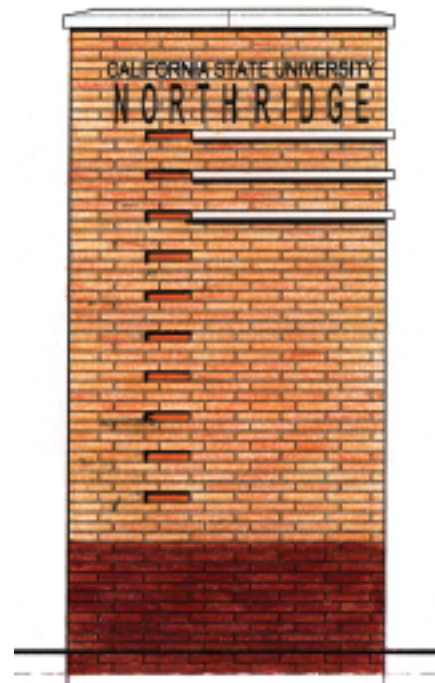
11-foot-high by 7-foot-wide brick structure with the university's name displayed on both sides. Alongside each pillar will be a long, low brick wall segment spanning more than 20 feet in length that also will provide seating for nearby bus stops along Nordhoff.

The monuments will be placed along the north side of Nordhoff as follows: one at the corner of Darby Avenue, one each on the east and west corners at Etiwanda Avenue, one each on the east and west corners at Lindley Avenue, and one at the corner of Zelzah Avenue.

Campus architect Deborah Wylie

said the Nordhoff-Zelzah monument in particular will be installed so as to complement the existing "CSUN" sculpture at that corner, which will remain intact. The monuments will be placed at each intersection so as to be visible to passersby heading in different directions.

The project, in addition to becoming an attractive visual enhancement to the front of the campus, is designed to remedy longstanding complaints that the university lacked sufficiently clear and distinct signage along its perimeters. The project is due to be completed during the spring 2002 semester. ■



Online Applications to the CSU Soar Using CSU Mentor

Nearly Half of All Applicants to the Cal State System This Year Expected to Apply Online

Admission applications through CSUMentor, the online system that helps students plan for and apply to the California State University, increased by 69 percent during the initial application period for fall 2002.

CSUMentor received a total of 157,960 applications between Oct. 1 and Nov. 30, 2001, up from 93,672 during the same period in 2000.

Despite the torrent of applications, the CSUMentor system processed the information smoothly and without any delays, officials said. The Los Angeles-based Xap Corp., which designed CSUMentor, had increased its server capacity in anticipation of a

record-setting pace of applications.

Even with 20,358 applications received on the Nov. 30 deadline and 19,485 received the day before on Nov. 29, there appeared to be no "midnight rush" of last-minute applications that might have slowed down the system.

"This was a banner year for CSUMentor, thanks to the students, their counselors, and the Xap Corporation," said Allison Jones, the CSU's assistant vice chancellor for student academic support.

"Students, with the help of their counselors, completed their college planning early and applied on time,

while Xap did its part to help the CSU handle the load efficiently," said Jones. "It's clear that CSUMentor has become a valuable college preparation tool for California's students."

The CSUMentor system has experienced soaring popularity since it was first launched in 1997. This fall's increase followed a 70 percent increase in online applications during fall 2000, and a nearly 400 percent increase during fall 1999 compared to the prior year. It is estimated that nearly half of all applicants to the CSU will apply online during this school year.

After the initial application period for fall 2002 enrollment, which ran from

Oct. 1 to Nov. 30, campuses continue to accept applications on a space-available basis. Filing during the initial application period is required for high-demand majors and is strongly encouraged for applicants who want to attend their first-choice campus.

CSUMentor, a free service to students, also offers multimedia campus tours, student-campus matching assistance, free e-mail accounts, academic planners and assistance in completing financial aid forms. Students pay only the application fee charged by the CSU campus when they submit an application for admission. ■

Calendar

The Associated Students Ticket Office in the University Student Union sells tickets to many events on campus, except for some held by outside groups. The ticket office is open from 9:30 a.m.–5 p.m. Mon.–Fri. For prices not given, call (818) 677-3093 or x2488.

Art and Exhibits

Admission is free unless otherwise specified.

More In Store: Fifth Annual High School Art Invitational

Fifty-two San Fernando Valley high schools are invited to participate in this exhibition including painting, ceramics, graphic design, video, drawing and sculpture. Through Sat., Jan. 12. Main Art Gallery.

Five Centuries of the Printed Bible

The exhibit features a selection of Bibles from the university's collection, ranging from the 15th through the 20th century. Through Fri., Jan. 25. Oviatt Library exhibit room.

Athletics (home games):

Men's Basketball

1/3	Univ. of San Diego	7:05 p.m.
1/5	Univ. of the Pacific	7:05 p.m.
1/10	UC Santa Barbara	7:05 p.m.
1/12	Cal Poly	7:05 p.m.
1/24	Cal State Fullerton	7:05 p.m.
1/26	UC Riverside	7:05 p.m.

Women's Basketball

1/2	Pepperdine	7:05 p.m.
1/10	Idaho State	5 p.m.
1/18	Long Beach State	7:05 p.m.
1/20	UC Irvine	2 p.m.

Swimming & Diving

1/18	Univ. of the Pacific	2 p.m.
1/25	UC Irvine	2 p.m.

Dance



▲ Khoroshky

The Belorussian National Dance Ensemble—on their way to the Winter Olympics—exudes energy and passion. Thu., Jan. 31, 8 p.m.; Performing Arts Center. \$19.50 general, \$15 seniors/students/groups of 15 or more, \$10 CSUN students.

Ailey II

The junior company of Alvin Ailey American Dance Theater melds the nation's best young talent with the vision of emerging choreographers. Sat., Feb. 2, 8 p.m.; Performing Arts Center. \$24.50 general, \$20 seniors, \$18 students/children/groups of 15 or more, \$15 CSUN students.

Music

Mendelssohn String Quartet

The quartet will perform compositions from Haydn, Beethoven and Mendelssohn. Mon., Jan. 14, 8 p.m.; Performing Arts Center. \$24 adults; \$19 seniors; \$7 students; \$5 CSUN students. Info & Tickets: (310) 552-3030.



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voice (818) 677-2130
fax (818) 677-4909
e-mail pubinfo@csun.edu

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