

Programs gain accreditation

Engineering programs offered jointly by UM's Kansas City and Columbia campuses have been accredited by the Engineers Council for Professional Development, the national accrediting organization.

The accreditation of the programs in civil, electrical and mechanical engineering offered at UMKC, make them the only accredited undergraduate engineering programs in the Kansas City metropolitan area.

The accreditation is the first for the five-year-old intercampus engineering program. Engineering faculty reside in Kansas City but are classified as Columbia campus faculty since the Columbia campus has overall responsibility for the program. A number of adjunct faculty—senior engineers in major Kansas City industries and engineering consulting firms—also

teach in the program.

The UMKC campus provides physical facilities and other support services for the coordinated program, as well as the mathematics, science and humanities courses required for the undergraduate engineering degree.

"I'm pleased to hear about the accreditation," said President James C. Olson. "This coordination between two UM campuses shows how a multi-campus, multi-disciplinary public university can deliver just the type of education needed in a specific area of the state."

A total of 384 students are enrolled in the UMC-UMKC undergraduate engineering program this fall.

The Columbia campus also offers accredited graduate engineering programs at UMKC.

Olson relates UM system to proposed inflation plan

With a preliminary caution that "this whole subject is a very complicated one and we do not have full details yet of what the guidelines will be," UM system President James C. Olson discussed the possible impact of President Carter's proposed inflation plan on UM at an Oct. 26 news conference in Columbia.

Dr. Olson pointed out that universities, in general, are particularly subject to inflation problems because "... we are labor intensive, so to speak, and also we have to purchase many items which are more than ordinarily subject to the impact of inflation."

He noted that UM had recognized the impact of inflation by taking "... the lead in identifying reallocations up front and trying to institute efficiencies in operation, and also in trying to deal specifically with inflation in the non-state portion of our budget."

NEH supports UMSL project

A UMSL professor's research project recently received funding of \$46,000 from the National Endowment for the Humanities, the largest grant awarded on that campus in the area of humanities and related disciplines.

The project, titled "An Edition of the Prose Writings of Percy Bysshe Shelley," will be directed by E. B. Murray, UMSL professor of English. Dr. Murray is preparing the edition for publication by the Oxford University Press.

Dr. Murray is a member of the editorial board of the *Keats-Shelley Journal*. He has published extensively on Shelley and other major English writers of the early 19th century.

"Universities are very properly being asked to hold down their costs to those who take advantage of their services," Dr. Olson commented. "We have set our student fees for next year, and the proposed overall student fee revenue increase of 5 percent, I think, is definitely in compliance with the pricing guidelines."

In reference to salaries, Dr. Olson noted that the approximately 34 percent of UM's fulltime labor force who earn less than \$4 an hour would probably be exempted from the guidelines.

"Also, last year and this year too, our proposed increases are associated with efforts to improve efficiency and to improve productivity," Dr. Olson added. "I believe that these kinds of efforts are recognized in the guidelines."

Another aspect of UM's salary program is that the request for salary increases "... has been based on a three-year program to restore faculty salary levels in relationship to our Big 8/Big 10 peer institutions."

"It is our impression that the guidelines, although this will require further study, make reference to exemptions for groups that have historically tracked other employee groups," he commented.

In regard to UM's requested 9.5 percent salary increase, Dr. Olson affirmed that the increase "... was recommended as a result of a good deal of study, and I would hope that all aspects of the guidelines would be taken into account as our request is considered."

Responding to a question on ways to increase faculty productivity, Dr. Olson said that "obviously, you can teach more credit hours, you can teach more students, you can be more productive in your research and you can engage in a greater amount of service."

New data processing system provides added flexibility

A new payroll/personnel data processing system, which is "more responsive to the needs of employees, administrators and external agency requests," will be implemented at UM, according to Leland Coonce, associate director of UM Management Systems.

Target date for implementation on the first campus is the third quarter of 1979. The new system, which will be operated at the campus level, was recommended by the Financial Information Systems Project, a committee formed in 1975 to study all UM financial information systems.

"With the present payroll/personnel system, we are not able to respond easily to many reporting requests," Mr. Coonce notes. "The new system will be more flexible in this regard."

Major changes in the organizational, technological and external reporting requirements have "rendered the existing system very ineffectual," says Mr. Coonce.

The first FISP team, headed by UM comptroller James Weaver in 1975, reviewed all three UM financial systems (accounting, payroll/personnel and budgeting). The team determined that all three systems, which were developed in the '60s, were "labor-intensive and not responsive to user needs," Mr. Coonce said.

He said the payroll/personnel system will be the first of the three systems to be replaced and will be implemented campus by campus.

In studying the financial information systems, the FISP team worked closely with a campus steering committee composed of user representatives from all four campuses, and the business and financial management advisory council. The latter was headed by Vice President for Administrative Affairs James Buchholz.

The original FISP team established seven subcommittees composed of

approximately 50 academic and non-academic administrators and staff who reported to the team on different aspects of the financial information systems' problem.

The new payroll/personnel data processing system, according to Mr. Coonce, will be a user-operated system. Each functional office on the four campuses will have the responsibility for the accuracy, timeliness, integrity and dissemination of their own information. Management Systems will be responsible for the implementation and maintenance of the core software system.

The new system will perform all the functions of the present system, with the following additional features:

- centralized records of employees' vacation and sick leave;
- automatic calculation of overtime and other bonus pay;
- automatic carry-over of suspended deductions;
- additional employee biographical information;
- summarization of data for management reporting;
- capability to charge salaries to accounts on the basis of period earned, rather than the period paid; and,
- automatic fund encumbrances for employment actions.

Mr. Coonce points out that with the implementation of the new system it will be possible to keep employees informed of their staff benefits status. In addition, employees will be sent reports on their biographic data for review and updating.

Following on-site visits, presentations at UM and visits to other institutions using vendors' software, Integral Systems Inc. of Flemington, N.J. was selected as the software vendor. The contract with the company was approved by the Board of Curators.

Affirmative action emphasized

In an Oct. 25 statement, UMC Chancellor Barbara S. Uehling reaffirmed the campus' commitment to affirmative action and listed steps taken to ensure active participation in the concept.

Actions taken include:

- The establishment of the position of director of equal opportunity reporting directly to the chancellor and having responsibility for the entire campus;

• The establishment of a faculty, student and staff task force to review existing programs and make recommendations on all programs and services involving minority students;

• The establishment of an Equal Opportunity Council to focus on legitimate concerns and recommend solutions;

• The expectations that all units will take positive action with regard to the recruitment and promotion of women and minorities.

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Scheneman views extension from 32-year perspective

By Ken Whitt

Carl Scheneman is stepping down as vice president for extension of the UM system and retiring from UM after 32 years' service.

"I've been in administration long enough," he said following the announcement Oct. 18 before a meeting of UM's state advisory council for extension. "I'm ready to turn it over to someone else."

"I am announcing my plans now so that the president will have complete freedom to review the administrative structure and develop appropriate staffing for extension leadership," he said.

UM system President James C. Olson announced last June his intention to review extension programs and the administrative structure of statewide extension, following recommendations of the Governor's Extension Study Commission and the president's state advisory council.

"I am especially pleased that Vice President Scheneman's retirement plans will permit him to remain with us for nearly a year. This will give us time to determine the best administrative organization for extension and to find appropriate new leadership to help me carry out my responsibilities for this important mission of the University," he said.

"I want to express my appreciation to him for his dedicated and effective leadership during the past several years," he added.

Dr. Olson said he will rely on

his senior staff and particularly a comprehensive review committee for assistance and advice in the study of the administrative organization. Several external review committees are to be appointed this fall and the re-evaluation process is to be completed by next May.

As vice president for extension, Dr. Scheneman coordinates the extension activities of the four UM campuses and Lincoln University, and administers an off-campus extension staff of approximately 400 specialists and 215 paraprofessionals assigned to Missouri's county extension centers.

Dr. Scheneman said that as vice president since 1970, it had been his personal goal to see that UM's extension function became an integral part of the academic mission of every department within the system, and that the department chairmen and academic deans recognize and accept this function as a part of their responsibility.

"I believe we have gone a long way toward meeting this goal because many academic administrators have accepted this responsibility," he said.

He said the biggest challenge facing University Extension—during a time of declining enrollments, inflation and a movement to cut taxes—is being able to offer quality extension programs based on the needs of the people, and providing programs that they will support.

"This is an important year for



Carl Scheneman

extension because it is a year of review," he said. "During the past 15 years, University Extension has been caught up in the rural-urban movement. Many people see extension basically as a program for rural people while urban people want many of the same kind of services from their state university."

"These kinds of conflicts result in periodic reviews, such as the Governor's Extension Study Commission and our regular five-year internal re-evaluation," he said.

The vice president, who will be 56 upon retirement, says he sin-

cerely believes that UM has greatest extension organization in the country.

"We are the envy of many other state land-grant institutions," he said. "No other state has a more competent staff. Today more than 75 percent of our field staff has master and Ph.D. degrees. On the front line, no other state can match the overall quality of extension programs we provide in Missouri."

"But this does not mean that the best cannot be made better," he added.

UMC administrative reorganization stresses 'academic focus'

UMC Chancellor Barbara S. Uehling recently announced major changes in the central administrative structure of the Columbia campus, effective Sept. 1, 1979.

Included in the new administrative structure are: provost; vice chancellors for student affairs, administrative services, and alumni affairs and development; directors of institutional research and planning, equal opportunity, office of public information, intercollegiate athletics, and the University Hospital; and a special assistant.

Under the plan, the positions of provost for health affairs and vice chancellor will be eliminated.

Key to the new plan is the designation of the provost as chief academic officer. All academic deans will report to the provost. Under the current administrative structure, the deans report directly to the chancellor.

The graduate dean position will carry the additional title of vice provost for research. The dean of extension title will be changed to vice provost for extension.

Candidates for the following positions will be sought through a national search process: provost, vice chancellor for administrative services, vice chancellor for student affairs, graduate dean and vice provost for

research, director of institutional research and planning, director of equal opportunity, and hospital director.

Persons now performing the same or similar functions are eligible to declare their candidacy for positions in the new structure.

Search procedures will begin immediately for the hospital director and institutional research and planning position. Searches for other positions will begin in the near future as soon as details can be worked out.

The number of top administrators will remain the same in the new plan. However, exclusive of deans the number of persons reporting to the

chancellor will increase from nine to 10 because of the change in the reporting procedure for the director of the hospital.

Dr. Uehling stressed that the new structure was decided after discussion with all facets of the UMC community, and that it is designed to "provide an academic focus" to the campus. Other considerations, the chancellor said, were simplification of reporting and the placing of the hospital directly under the chancellor's control.

Grants establish arthritis, spinal cord centers

Two major grants have established the UMC Medical Center as a multi-purpose arthritis center and Rusk Rehabilitation Center as one of 14 spinal cord injury treatment centers in the U.S.

A three-year grant of \$565,538 from the National Institutes of Health has designated UMC as one of the nation's 24 centers for arthritis treatment, education and research. The program will be headed by Gordon Sharp, chief

of immunology and rheumatology.

The funds will support an educational program on arthritis for primary care physicians, nurses and allied health personnel. The grant will also include internal education for students, residents and specialists in the arthritis field as well as a community health education program in Mexico, Mo.

The U.S. Department of Health, Education and Welfare awarded UM a \$250,000 annual grant for support of the

spinal cord treatment center at Rusk Rehabilitation Center.

The multidisciplinary program will include emergency transport, acute care, rehabilitation and re-socialization of patients with spinal cord injuries.

In addition to the UMC center, other centers in the mid-section of the U.S. are located in Minneapolis, Chicago, Houston and Denver.

Marchello plans reorganization

UMR Chancellor Joseph M. Marchello recently announced plans for an administrative reorganization on the Rolla campus.

Dr. Marchello made the announcement at an Oct. 26 meeting of the Academic Council. He has asked for input from UMR faculty, staff and students.

Dr. Marchello plans to complete plans for the reorganization by the first of the year.

Health study equates with 'human ecology'

By Nancy R. Divis

Looking like the training camp for Peace Corps volunteers it was originally built to be, shelved away in the wooded hills of southern Columbia, the Environmental Health Surveillance research unit serves an entirely different function. The research staff has been collecting health data for more than 13 years.

"Human ecology," the unit's director, Carl Marienfeld, calls it—or how humans interact with their environment.

"We need to study populations of people in the same ecological sense foresters study population of trees. Statistics show that 80 percent of cancer cases are caused by things in the environment—and that's probably a conservative estimate. We need to find out exactly what the environment has to do with health.

"Really, we should be looking for the best of health and then try to reproduce those factors contributing to it. Unfortunately, we are too often tied up with caring for illness—too busy with the crisis situations."

Dr. Marienfeld has been studying human ecology in the state of Missouri for almost 20 years in an effort to find links between illness and geography.

He was instrumental in the formation of the University's Environmental Trace Substance Center and Sinclair Research Farm as well as the health surveillance research unit—all of which were designed to study some aspect of human health and the environment.

His latest effort, a five-year \$1 million grant from the Environmental Protection Agency, involves UM chemists, geneticists, biologists, geologists and experts in water resources, and community health.

Although the official title is "A Study of Cancer and the Public Drinking Supplies in Missouri," the project involves the study of other illnesses (such as heart and kidney disease) and environmental factors which could be responsible.

"You can't look at things in a vacuum," Dr. Marienfeld said. "The water supply in question may be located next to an asbestos plant. Cancer is one way of measuring but you have to look at other common illnesses such as heart disease or birth defects."

The grant is in the formative stage with researchers developing a compilation of death statistics by using postal rural routes and latitude and longitude coordinates—a fairly unique method of data collection which allows the researchers to pinpoint the exact location of the death.

Previously, such statistics were reported by county but Dr. Marienfeld points out that such areas are rarely homogeneous. For instance, in Boone County, Columbia's population could distort the health trends in the smaller surrounding communities.

Because of the emphasis on computer and map work, the regular full and part-time staff at the surveillance center includes a systems analyst, a geologist-typographer, a computer programmer, statisticians and research assistants, in addition to Dr. Marienfeld.

The research unit, formerly under the UM system Office of Research, is now administered by UMC's Department of Family and Community Medicine. Dr. Marienfeld serves on the medical faculty in addition to his responsibilities as the research unit director.

Early results of the current cancer study show differences in the incidents of certain illnesses in



Carl Marienfeld

certain areas of the state. The second step is to determine whether these differences are significant and are caused by the environment.

"The third step, obviously, is trying to find out what that cause might be," Dr. Marienfeld said.

But he avoids setting a definite timetable since such research by nature is a slow and cautious process.

"We don't want to alarm anyone unnecessarily. We want to be certain of our facts and we want to have possible solution ready when we make our report." In the meantime, each new bit of data gathered provides for more meaningful research in the future.

Bingham film released

George Caleb Bingham's colorful paintings of scenes from Missouri's frontier days are the subject of a new film from UM.

Available at no charge for showing before civic, service and educational groups, the film surveys the wide range of Bingham's works, including such favorites as "Fur Traders Descending the Missouri," "The Jolly Flatboatman" and "County Election," while at the same time chronicling the artist's life story.

The 27-minute film was produced by the UM award-winning film producer, David J. McAllister, of University Information Services. Mr. McAllister visited numerous galleries and private homes to photograph Bingham's paintings.

Persons interested in borrowing the film should write to University Information Services, 400 Lewis Hall, Uni-

versity of Missouri, Columbia, Mo 65211, or phone 314/882-4591.

Revzin elected president of dental board

Marvin E. Revzin, dean of the UMKC School of Dentistry, has been elected president of the American Board of Oral and Maxillofacial Surgery.

Dr. Revzin served for 12 years as a member of the advisory committee of the 1,700-member board. For the past six years he has been secretary-treasurer of the organization's board of directors.

To qualify for membership on the board, dentists must have appropriate experience in the field and successfully complete tests given by the organization.

Dr. Revzin became dean of the UMKC dental school in late 1975.

UM insurance forms due prior to Nov. 7

A letter from President James C. Olson, announcing an improved life insurance program, was mailed to all UM full-time employees on Oct. 9, 1978. Enclosed with the letter was an enrollment card and a brochure describing the improved coverage.

As emphasized in the letter, the completed enrollment cards must be returned to Campus Staff Benefits Offices prior to Nov. 7, 1978 if employees wish to participate in the life insurance plan. Employees who do not return the enrollment cards prior to Nov. 7, 1978 will run the risk of losing all University sponsored life insurance coverage.

Purdy receives honor

Allan W. Purdy, UM director of student financial aids, recently received

a distinguished service award from the Midwest Association of Student Financial Aid Administrators. It was the first such award the organization had granted to an individual.

Mr. Purdy was cited for being "... a prime force in the establishment of other regional associations and the National Association of Student Financial Aid Administrators."

Mr. Purdy will retire in August, 1979, after completing 20 years of service to UM.

Travel policies changed

The UM cabinet has approved changes in travel reimbursement policies effective immediately.

Under the new policies, the maximum allowances for meals while traveling on UM business or entertaining guests of UM will include breakfast, \$4; lunch, \$5 and dinner, \$11.

Jobs

The following administrative, professional and academic vacancies were listed with *Spectrum* as of Oct. 25. Those interested in a position should contact the appropriate academic department or personnel office.

UMC: Computer project manager; coordinator, chancellor's residence; engineer, Physical Plant (2); reactor operations engineer; reg. medical technologist (2); research chemist; research specialist; sr. auditor; sr. computer programmer analyst; sr. information specialist; sr. research scientist (2); sr. systems analyst; sr. systems programmer; director, Academic Support Center;

Assistant professors, accountancy (2), animal husbandry, anthropology, biological science, child health (2), civil engineering, computer science, economics, education, English, electrical engineering (2), geology, industrial engineering, management, medicine, psychology, radiology, Spanish, speech & dramatic art (3).

Visiting professor, English (2); as-

sociate professors, English, electrical engineering, history, radiology (2); project director, extension; professors, history, mechanical & aerospace engineering, librarian I (2) and librarian IV/law librarian;

UMC Medical Center: Academic advisor (nursing); assistant director, nursing (3); assistant executive housekeeper; computer programmer analyst I & II (2); computer project manager; head nurse; health care evaluation analyst; manager, medical records; medical records administrator, staff nurse (41); supervisor, telephone communications.

UMSL: Director, counseling center.

UMR: Library assistant II, special services counselor; assistant/associate professor, economics (1 or more); lecturer, economics (1 or more); research assistant, social sciences; research assistant, Rock Mechanics & Explosives Research Center; department chairman, chemical engineering;

UMKC: none.

People

Elmer Ellis, UM president emeritus, has received the State Historical Society's distinguished service award.

James L. Chapel, UMC chief of child psychiatry, has been installed as president of the Mid-Continent Psychiatric Association.

Willard L. Eckhardt, UMC professor of law, received the Spurgeon Smithson Award from the Missouri Bar at the group's annual meeting. The award recognizes contributions to improvements in the administration of justice.

Audrey Kalafatich, UMC director of a family-child nursing, has been

named as one of 50 new fellows in the American Academy of Nursing for her significant contributions to the nursing profession. Dr. Kalafatich was also appointed recently to the editorial board of the *Journal of Nursing Education*.

Milton Gross, UMC associate dean of journalism, has been selected for a two-year term as one of 10 public members of the National Advertising Review Board.

Noble Cunningham, UMC professor of history, has been elected sixth vice president of the State Historical Society of Missouri.

Program trains disabled

UMC has received \$386,724 from the State Division of Vocational Rehabilitation for a project to train the severely disabled in computer programming.

Individuals with severe motor control and visual acuity handicaps will be served by the program. A similar limited program — (Training for the Disabled in Computer Programming) — has been administered by the Extension Division for the past two years. The division will also administer the enlarged program.

Participants will train in 30-member groups for 10-month periods. Included in the expansion is a Missouri center for training professionals to work with

the handicapped.

Setting will be a 120-acre UM facility south of Columbia which also includes the Environmental Health Surveillance Center. The central training building and 10 cottages will be renovated and adapted for the handicapped.

The UMC department of computer science will provide the academic base for the computer training. Other participating UMC divisions are the colleges of home economics, education, and public and community services and the School of Medicine.

Of the 30 participants in each group, 15 will live in cottages at the site. The rest of the participants will live in Columbia, and will be transported by specially equipped vans.

Staff will include a project director, computer programming instructors and a director of independent living. A placement officer will assist graduate trainees in identifying job opportunities.

Participants will receive specialized training in skills of independent living and coping with physical handicaps. They also will take part in community and state recreational and cultural activities.

The Missouri center will offer seminars, conferences and short courses to professionals working with the severely handicapped — teachers, medical social workers and family service workers.

This & That

Patent for process

A patent application for a crude oil process developed by two UMR petroleum engineering professors has been filed by the UM Board of Curators.

The process developed by Herbert Harvey and J. P. Govier is known as "selective electric reservoir heating." Through the technique, heat is applied selectively to portions of the oil reservoir which are bypassed by other recovery methods. The heat reduces the viscosity of the oil so that it can be more easily recovered.

The UMR researchers note that data obtained from computer simulations, laboratory model studies and preliminary economic analyses indicate the process will be successful.

Survey ranks UMR

UMR has been ranked seventh in the nation in the number of graduates with bachelor of science engineering degrees, according to an annual survey conducted by the Engineers Joint Council.

The survey of 284 colleges and universities also ranks UMR 11th in fulltime undergraduate engineering enrollment during 1976-77. At that time, UMR had a total of 3,425 students in undergraduate engineering.

UMC advisory group

Ballots have been distributed on the Columbia campus for the election of members to the newly-organized Employees Staff Advisory Council.

The 12-member council will be composed of three employees elected from each of four staff categories: administrative/professional; secretarial/clerical; technical/paraprofessional and craft/service/maintenance.

The group will serve in an advisory capacity to Chancellor Barbara S. Uehling.

UM budget information

A set of three budget summaries for UM's 1978-79 year are now available in campus libraries.

In addition to the summaries, the 1979-80 appropriation request documents composed of six books is also available. The 1977-78 financial report will be delivered to the libraries in December.

Associate dean named

David P. Gustafson has been appointed associate dean and director of undergraduate education for the UMSL School of Business Administration.

Dr. Gustafson joined the UMSL faculty in 1971 as an associate professor and served as coordinator of the management area of the business program from 1973 to 1976. Previously, he served as director of graduate studies in business.

Last year he was a visiting associate professor in Boston University's master's program in business in Brussels, Belgium. He received his bachelor's and master's degrees in engineering management from Case Institute of Technology (Cleveland, Ohio) and his Ph.D. in

business from Stanford University.

Dr. Gustafson is one of two associate deans in the business school.

Floating holidays listed

UM's floating holidays will be observed on the campuses as follows: UMC, UMR and UMSL will have holidays on Friday, Dec. 22 and Tuesday, Dec. 26. UMKC will observe Tuesday, Dec. 26 and Friday, Dec. 29.

Professors honored

Six UMC faculty members were among those recognized recently by the UMC Alumni Association. Honorees include:

Mary M. Lago, associate professor of English; Grant S. Nelson, professor of law; Edward J. Metzen, professor of family and consumer economics; J. T. McGinity, professor of veterinary medicine and surgery; John B. Miles, professor of mechanical and aerospace engineering, and William H. Pfander, professor of agriculture.

The Faculty-Alumni Awards program was initiated in 1968. More than 200 individuals have been honored since the program began.

Literary review available

The second issue of "Missouri Review," a collection of poetry, short essays and criticism by nationally distinguished poets and writers, will be available at the University Bookstore on the Columbia campus in mid-November.

Articles by more than a dozen contemporary literati are included in the volume. Authors include Paul Bowles who writes out of Tangier; Joyce Carol Oates, 1962 winner of the National Book Award for fiction; Louis Simpson, 1965 Pulitzer Prize winning poet; and the widely published contemporary critic Marjorie Perloff.

"Missouri Review" is published three times yearly and sells for \$2.25 per volume. Annual and two-year subscriptions are available at \$6 and \$10, payable to the "Missouri Review." Subscriptions may be ordered by writing: Editors, "Missouri Review," department of English, 231 Arts and Science Building, UMC.

Nursing dean announced

Evelyn M. Peck has been named associate dean and assistant professor of nursing at the UMC School of Nursing. She was made director of nursing services this fall at the UMC Hospital.

Ms. Peck's work experience ranges from the 789-bed St. Luke's Hospital center in New York City to the Frontier Nursing Service of Hyden, Ky.

She received her diploma from St. Luke's School of Nursing, her bachelor of science and master of arts from Teachers College, Columbia University, New York.

Acting director appointed

J. Jack Horn, associate director of the UMC Hospital since 1974, has been named acting director. Horn replaces Joe S. Greathouse who earlier announced his resignation to become executive director of Iowa's Health Systems Agency.

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