

Peace Corpsmen Begin Training

The sixty newly arrived Peace Corps candidates have completed one week of their ASU stay.

Three weeks remain of on-campus work after which the trainees for Bolivia, South America will spend four weeks at the Maricopa Indian Community Colony, west of Laveen. Included in the group are three married couples, a 55-year-old and four 18-year-old trainees.

The Indian community building and facilities and adjacent ten acres have been leased to ASU by the Gila River Community Tribal Council. Of the 28 days on campus, the trainees will commute 16 days to the training center at the Maricopa Colony where living accommodations and a portable language laboratory will be installed.

Dr. L. Mayland Parker, associate professor of farm management, said the instructional staff will be largely comprised of faculty from ASU and the American Institute for Foreign Trade.

The instruction will include the economic, social and cultural life of Bolivia; technical studies; American studies and world affairs; health and medical training; physical education and recreation; language training; Peace Corps orientation; and philosophy, strategy, tactics and the menace of communism.

The candidates will be trained to assist the Bolivian government in the development of the dairy industry in Quillacolla Province, Cochabamba Valley, and in a rural development project in the Santa Cruz area.

The Santa Cruz Project will be administered overseas by the National Farmers Union; the Cochabamba Project, by the Heifer Project, Inc., both under contract with the Peace Corps.

The Cochabamba Valley, located in the center of Bolivia, has the potential of becoming one of the nation's most productive agricultural areas, according to Dr. Parker.

Problems with the dairy industry there include lack of technical knowledge on the efficient operation of dairies, lack of dairy sanitation, high rate of animal disease and lack of pasture and fodder.

The Santa Cruz Project is designed to help the Bolivian government increase and improve agricultural productivity and to contribute to the social development of the predominantly rural population.

Before receiving their field assignments in Bolivia, the candidates will undergo additional training at the Peace Corps camp in Puerto Rico and in Bolivia.

Entire cost of the program at ASU is covered in a \$112,329 contract between the Board of Regents and the Peace Corps, and will involve no expense to the state.

The current project is the second Peace Corps training

program held at ASU this year. Approximately 60 candidates completed a nine-week program last April for service in Colombia, South America.

FBI Veteran Named Head Of Security

John O'Leary, who has worked for the Federal Bureau of Investigation for 27 years, has been named acting director of the Arizona State University department of security.

His addition to the staff was announced last Monday by Gilbert Cady, ASU vice president for business affairs, who said O'Leary will assume the duties of the new position immediately.

Norman Peck, who joined the ASU campus security force in 1958, will continue as captain of the university police, Cady said.

While with the FBI, O'Leary worked in Philadelphia, Washington, D.C., Omaha, Phoenix and Albuquerque.

O'Leary received a bachelor of science degree from the University of Iowa, and a bachelor of laws degree from Georgetown University, Washington, D.C. He is married and the father of three children.

Prof. Leaves On Oceanic Study Cruise

Dr. Roy M. Johnson, associate professor of microbiology at Arizona State University, has been selected to participate in the two year international Indian Ocean Expedition.

Dr. Johnson will spend three months during the summer of 1964 studying the distribution of spore-forming bacteria in the strait between Eastern Africa and Madagascar. In that area, he will also do the systematic bacteriology on fauna collected by other scientists.

For the past two years, Johnson has been doing research on spore forming bacteria under contract with the Office of Naval Research. He also has taught at the University of Chicago, the University of Chicago Clinics, and the University of New Mexico.



NOTED PERFORMERS — The talented husband-wife team of Gladys Steele and Carl Hague will treat ASU to a melodious evening coupled with humor, Tuesday night, 8 p.m. in the MU ballroom.

Noted Performers To Appear Here

"Words and Music," a program by Carl Hague and Gladys Steele, noted concert, television and radio performers, will be presented next Tuesday at 8 p.m. in the MU ballroom.

The talented husband-wife team are represented on numerous recordings and present that 'something different' so much in demand, according to critics.

Hague, a tenor, presents serious and humorous songs in several languages and dialects. Also included in his repertoire are selections from operas and Broadway shows.

His wife, who accompanies her husband and herself at the piano, has created her own special style and delivery. Included in her selections are folk and character songs, humorous and dramatic recitations in several languages, and a number of lyrics by Ogden Nash, poet-humorist, set to original music.

According to a California reviewer, "Both talented and ver-

satile artists, they took turns delighting their audience with choice bits of a vast repertoire. Mr. Hague is endowed with a warm flexible voice. His intelligent rendition and ingratiating manners are matched by Miss Steele's whose mobile face and fingers on the keys were as much as her tone of voice, tools of a scintillating wit and perfect sense of timing."

Miss Steele, born in the United States of a Danish mother and an American father, draws her heritage from Nordic, Celtic and Latin strains. She brings to her art a background of European tradition. The late Oda Nielsen, Denmark's greatest actress, was a member of her mother's family.

Hague is a lineal descendant of Johann Svendsen, celebrated Norwegian composer, coming naturally by his musical talent. His presentation of rarely heard songs of the Scandinavian countries adds color to his varied program.

Concerts, Recitals Highlight Finale Of Music Camp

Programs beginning Monday featuring the 350 high school music campers will climax their three week stay.

The musical features are open to the public free of charge and end Saturday with the afternoon and evening Fine Arts Festival.

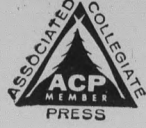
A Pops Concert is scheduled at noon Monday in the MU ballroom. Tables will be set up and those attending are invited to bring their lunches or buy them in the union. Monday evening, at 7:30, the annual talent show will be presented, also in the ballroom.

An ensemble recital, featuring woodwind, brass, oboe and piano groups, is scheduled Wednesday at 7:30 p.m. Two Thursday events include a 4 p.m. organ recital and a 7:30 p.m. ensemble concert, featuring woodwind, bases, oboe, piano and percussion groups. All programs will be held in the ballroom.

The Fine Arts Festival Saturday, opening at 1:30 p.m. in the ballroom is designed for Music Camper's parents, friends and scholarship donors, as well as for the general public.



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Why Intramurals?

By W. B. WATKINS
Student Director, ASU Intramurals

I often have the question posed to me, of why intramurals? Further, these inquisitive people go even deeper with the questions, why intramurals at ASU, or why intramurals for "me?" The following is an attempt to answer such questions for intramural programs in general, and for the ASU intramural program specifically.

First I feel that every student should realize that in the purpose of Arizona State University there is a statement that reads:

"To provide a rich and balanced program of activities through the resident halls, student government, professional and special interest groups, organizations, fraternities and sororities, that provide opportunity for the development of wholesome individual personalities, defined social living, training in leadership and effective citizenship."

Further, the department of intramurals is governed by the Associated Students at ASU, and their purpose reads:

"Intramurals — Men — The University has a well-rounded intramural sports program. The program is designed to serve the needs of ALL THE MEN STUDENTS at ASU. The sports are geared to individual and team competition."

Lastly, in the intramural booklet itself the purpose of intramural sports on the ASU campus reads:

"There is a place for EVERYONE in the combined program, and it is the avowed purpose of the Associated Men Students at ASU to strive for complete participation."

ASU is no different from most other organized schools in that the administration offers a written statement of its activity program. A written statement is essential for a smooth functioning program, especially where physical activities are concerned. The running of the United States is done so by a written program.

Intramural sports exist for the individual participant. We are reaching for self satisfaction by the individual through physical activity. Some of the more prominent rewards for this individual effort are, sportsmanship on and off the field, personal friendships created, and a sense of carry-over value learned through the overall intramural program.

Dr. J. Lear, the science editor of the Saturday Review states:

"Though behavioral research of the last 15 years has shown an absence in man of the instinct to war, it has at the same time confirmed man's enjoyment of trouble and trouble making. Therefore, society's problem is to find ways to give man an opportunity for excitement that won't harm others."

Here then lies one of the governing philosophies of the ASU intramural department. What an individual learns through ACTIVE participation in intramurals will, (we hope), carry over and help govern his activities throughout his future.

One more idea that I believe a participant should receive from intramurals at ASU is the concept of athletics-for-fun. We make a sincere effort in our intramural program to restrain the pressures of competitive varsity athletics. Many of our most loyal players are capable of playing varsity caliber sports, but choose intramural competition for pressureless activity. Dr. A. Steinhaus has this to say about one's personal activity habits:

"My advice to you is this — having found for yourself the exercise, game or sport best suited to your strength, age, temperament and need, forget all else and seek first the joy of the venture—and before you know it, strength, endurance, increased vitality, skill, and a new outlook on life will be added unto you."

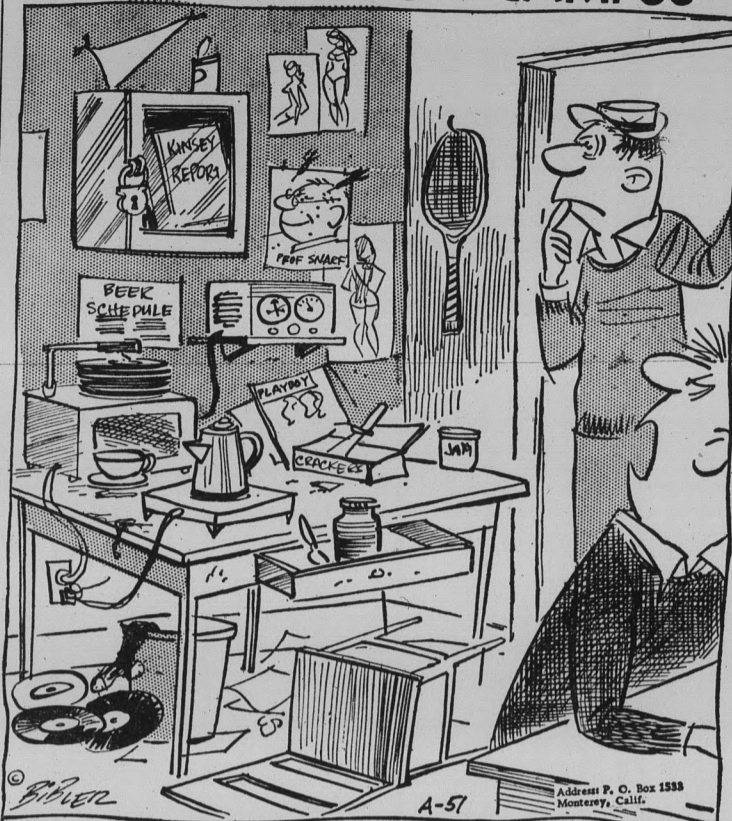
We invite you to participate in intramurals at ASU. Join us for the second session this summer.

Patriotic Facts

The forerunner of Uncle Sam was Brother Jonathan, reports World Book Encyclopedia. During the Revolutionary War any patriotic American was called Brother Jonathan, after Jonathan Trumbull, an ardent patriot and governor of Connecticut. Later the name was used to refer to the nation as a whole.

The British sang "Yankee Doodle" to poke fun at American colonists. But the Americans adopted the song and made it popular throughout the colonies, reports the World Book Encyclopedia . . . and played it as the British left after the surrender at Yorktown.

LITTLE MAN ON CAMPUS



"JUST LEFT — HE SPENT OVER AN HOUR GETTING READY FOR A STUDY SESSION, THEN ED STOPPED BY AN SUGGESTED A MOVIE."

Scorpion Research Advanced At ASU

By ED GASSER
(First in a Series of Two)

The poisonous animals of Arizona have received considerable attention during the last quarter century, particularly from the poisonous animals research laboratory at ASU.

The study first began when Dr. Herbert L. Stahnke, director of the laboratory, came to Arizona in 1928 and became aware of the seriousness of venomous bites and stings and the lack of adequate treatment for them.

Resolving to find a treatment, Dr. Stahnke started research on more than 20 species of scorpions in Arizona.

His individual efforts grew into a coordinated research program now known as the poisonous animals research laboratory.

The importance and difficulty of Dr. Stahnke's research on scorpion envenomation was finally recognized by the Arizona State Legislature, which in 1945, initiated the program with a \$2,000 appropriation.

Dr. Grady Gammage, president of ASU at that time, then established the laboratory, which began its producing of developing and producing a scorpion antivenom and studying other poisonous animals of Arizona.

The range and depth of the new research drew such specialists as Dr. A. E. Dammann, in 1955, as assistant director of the lab; Dr. Robert Patterson, physiologist, and Dr. Gordon Bender, invertebrate physiologist, in 1957; Dr. Eldridge Bertke, in 1958, as histologist and pathologist; Dr. Dean Watt, biochemist, in 1959, and finally, Dr. William Northey, immunologist.

Fruits of the research study started to appear when a more effective treatment of snake bite and scorpion sting, the ligature-cryotherapy method, was devised.

This method is a physical treatment involving the use of a string or cord, to localize the venom by restricting the flow of blood, and the use of crushed ice, to slow the action of the venom by lowering the body temperature.

The method is continuously gaining medical acclaim and is widely employed by physicians in the Southwest.

While the ligature-cryotherapy research was in progress, work on a scorpion antivenom also was underway.

Today, the ASU research lab is the sole producer of antiscorpion serum in the U.S.

The serum, provided free of charge to physicians, has saved the lives of many persons stung by Arizona's two lethal species of scorpions.

"It is both a research and a service laboratory," according to Dr. Stahnke, and part of its service is to identify scorpions sent from nearly every country in the world. The laboratory's museum collection contains more than 6,000 preserved specimens.

Because Federal law now permits live scorpions to be sent through the mail, the fresh venom from many localities can be tested on laboratory animals and chemically analyzed.

Live scorpions enable venom to be extracted several times. Also, the total biology of the animal can be studied.

Extensive research is being done on the comparison of different venoms. The effects of the venoms on nervous systems and organ tissues are examined carefully. Searching for a possible therapeutic use for the venom is vital.

Through the efforts of this laboratory, scorpion antivenom is a dream, and significant progress in venomology promises important medical advances in the future.

MU Sports Accessible Barber Shop

By JON MORRIS

Men clamoring for "a regular barber" need search no further than the basement of the Memorial Union. Besides cutting hair, Bob Willford might even help with homework as he is a 1960 ASU graduate with a BA in finance.

Willford is not new at the barber game, for while doing his undergraduate work, he worked at Ray Boles' Barber Shop in Tempe Center for four years. He is now working on a master's degree in school administration.

The barber shop, which has been in existence for about a year now has several advantages according to Willford.

"It is the only appointment shop in town," he said.

He added that it is "easily accessible," and hinted that this is what ASU has been needing; an accessible, college barber shop.

Willford quoted the price of haircuts at \$1.75 a head. He added that "we do many other things such as shampoos, shaves, tonics, facial massages, free telephone numbers, and directions to places."

The shop, adjacent to the games room downstairs, is open Monday through Friday from 10:30 a.m. to 6 p.m. For appointments, call WO 7-9054, extension 364.

Profs Selected For Conference On Lunar Study

Two Arizona State University faculty members have been selected from among hundreds of applicants to attend a conference on Lunar Exploration, held next month at Virginia Polytechnic Institute.

Dr. George Beakley, assistant dean of ASU's College of Applied Arts and Sciences and chairman of mechanical engineering, and Dr. Robert D. Kersten, chairman of civil engineering, will attend the five-day conference at Blacksburg, Va., with 98 other carefully selected representatives.

Among the noted scientists who will speak at the conference are Wernher von Braun, director, Marshall Space Flight Center; Karl Linnes, California Institute of Technology, Pasadena; John V. Evans, Massachusetts Institute of Technology, Cambridge.

Also, Boris Yu Levin, chairman, Astrophysics Commission, Moscow; and two men from English universities, Zderek Kopal, of the University of Manchester, and P. J. Message, of the University of Liverpool.

Subject for the first day is "The Moon as an Earth Satellite." Two days will be devoted to "Studies of the Lunar Surface." The last two days will concern "Lunar Flight Exploration," including an unmanned lunar soft lander and manned lunar exploration, the latter discussed by von Braun.