# **Training=Space Successes**

tend By GLENN DROMGOOLE | on his trip.

ld be written on the subject, but as far as the astronaut is concerned it can be f the press, speed mmed up in one word-training. are limited with Before he rides a missile into vernment describe adventurous outer space, the astroof national seen naut must undergo extensive trainng in many fields.

At A&M University's Space Fita currently being held in the RN morial Student Center, an exbit by Houston's NASA Manned acecraft Center explains the ining procedure.

BASICALLY the astronaut paripates in six training phases: hicle operations, space sciences, ace flight simulation (weightssness, acceleration, etc.), premch and post-recovery ground eration, flight proficiency in jet rcraft and physical fitness. Project Mercury established the

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act that man can perform safely d effectively in space flight mis-

Weightlessness — the lack of ravity — is duplicated in the asonaut's training program to inure the future space pilot's readiess and proficiency for the Gemini and Apollo missions, the NASA exhibit stated.

JUNGLE, DESERT AND SEA URVIVAL are included in the aining period. In the event a pacecraft lands in a jungle area, Bob Bell of Bryan, left, Garry L. Tisdale of Tyler and Mrs. Bob Long of Bastrop are among the 20,000 visitors exe astronaut will be able to live n plants, fruits and animal life

til aid reaches him. pected to attend the show currently underway in the Memorial Student Center until Feb. 14. Speakers will in-Just in case things do not go as anned on his return to earth, the clude Wernher von Braun, Willy Ley and Robert Rushpilot takes a survival kit with him worth

AMONG THE PROFS

Beacon battery, desalter kit, sig- hacksaw blade, bacitracin ophthal-On the second floor of the MSC nal mirror, food packets, Dial soap, mic ointment, aluminum foil, bouil-**Battalion News Editor** What makes a flight into Scott Carpenter's kit is exhibited. an astronaut knife, sunglasses, sea lon cubes, and fishing lures and terspace successful? Pages Contained in the kit are a Sarah dye marker, tube of zinc oxide, cords

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SURVIVAL AT SEA or in re-

mote jungle, desert or arctic areas is dependent not only upon intensive training, but also upon the reliability of survival equipment designed for use by the space crew. No suggestion which might increase crew safety is overlooked during the development of lifesupport systems for space flight. Studies are made of many types of equipment to determine which woul be best suited for the crew. New ideas in reducing the landing loads of astronauts and spacecraft are thoroughly investigated and tested.

The development, testing and evaluation of everything needed to insure man's survival and safe efflight is the responsibility of the Rodenberger fective performance in space Crew Systems Division of the Manned Spacecraft Center in Houston.

This group determines the requirement for life support in all phases of the space mission, provides the materials needed and conducts a medical analysis of crew performance.

#### **Ag Parachutists Take Top Honors**

Rodenberger, a member of the Members of the A&M Parachute A&M Aerospace faculty since 1960, Club took two third places last will begin the year-long fellowweekend in the annual Houston ship in June at the University Jaycee Sport Parachute Meet. of Texas. He received his master's

in the meet which hosted a field from Southern Methodist Universiof 110 jumpers from Texas, Ala- ty and his bachelor's degree from third in the team event.

stopped in Austin on the way to the meet long enough to get a of Texas.

Team members jumping were Mike Linz, M. T. Works, John Finks, Bruce Head, John Olden, Lou Hampton, Don Deveny and Carlos Salinas. Carlos Salinas.

A&M club was host to the Texas Formerly of Fort Worth, Ro-Parachute Council. The TPC, denberger worked as a design enalong with the Federal Aviation gineer on the B-58 bombers with Agency, is responsible for sport General Dynamics of Fort Worth from 1954-60. jumping in Texas.

### **Pinky Announces**

**Visitor Figures** A total of 27,300 visitors were

on the campus of A&M University during the months of June, July, August, September, October, November, December 1963 and January, 1964, P. L. Downs Jr., official greeter of the university has announced. They were attending short courses, conferences, class reunions and other scheduled meeting.

The university had 882,453 visitors on the campus for scheduled meetings and other activities during the 14-year period and eight months to February 1, 1964 from June 1, 1949, Downs pointed out. He estimated they spent \$18,531,513. There were 26 different groups on the campus in January representing 6,-562 visitors.

Awarded NSF **Graduate** Aid

Charles A. Rodenberger, associate

professor of aerospace engineering

at A&M University, has been

awarded a \$12,000 fellowship by

for graduate study.

the National Science Foundation

What Next!' Says **Veterinary** College

THE BATTALION

College Station, Texas

Page 3

The A&M College of Veteri- | to study migration and other bird nary Medicine Small Animal Cli- habits. nic has had its share of novel cases The bear was brought in by a

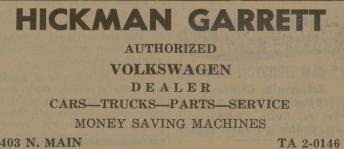
Wednesday, February 5, 1964

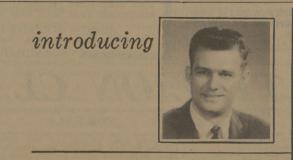
in the past several weeks. carnival owner to be de-clawed. They included a wild blue goose It was the second case of its type with a broken wing, a 200-pound in two years for the Small Animal brown bear, and mischief-minded Clinic, although a 200-pound bruin monkey.

to keep it still.

is anything but a small animal. Dr. E. E. Ellett, associate pro-THE MONKEY CASE began fessor of veterinary medicine and surgery, and a group of students when Dr. Ellett was called out to promptly set the honker's lame retrieve a South American, organ wing with a steel pin. The wing grinder-type monkey which had was then taped to the bird's side almost wrecked one room of a house.

After the wing is healed, as- Owners of the house were keepsociate profesor Richard B. Davis ing the animal for some friends of the Department of Wildlife when it somehow escaped its cage Management will band the goose. when no one was around. The Then Burns will release it in the monkey "rearranged" everything Houston area in time for the north- in the room it could pick up and ward migration. Banding is used pulled clothes out of closets.





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Lowy, a native of New York a test engineer for General Motity, has 10 years of college teach- ors. He joined Boeing Aircraft in g experience and another 10 1949 to do a literature survey on ars of engineering work in in- rocket fuel pumping systems, jets stry. He formerly taught at and diesel engines. urdue University, Oregon State He helped standardize test proolege and Portland State College, cedures for missile test units as an employee of Hughes Aircraft addition to Oklahoma.

He also served as a flight engi- Co. in 1952. In addition, he has er instructor in the U.S. Air served as a consulting and chief

engineer for other firms.  $\star$   $\star$   $\star$  "Josephine Shaw Lowell and American Philanthropy" is the Security is giving your Valentine the brand-new PEANUTS Messieurs!

Stanley H. Lowy, former Uni-| Force during and after World | title of an article by Dr. Lloyd ersity of Oklahoma faculty mem- War II, following supervisory C. Taylor of the Department of er and a space propulsion special- work with the Air Force in mainte-History and Government in the t, has joined the A&M University nance and repair of aircraft. current issue of "New York History," publication of that epartment of Aerospace Engi- Lowy's research on propulsion ring as an associate professor. dates back to 1947 when he was state's historical association.

Space Fiesta Exhibits

**Space Propulsion Specialist** 

Joins Engineering Faculty

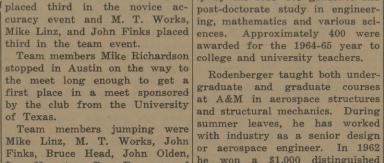
Mrs. Lowell was the first woman to be appointed to this political position in New York State. Gov. Samuel J. Tilden made the appointment in April, 1876, and for three decades she was associated with social welfare work. At her death in 1905, she had attained national recognition for the many significant social reforms that she had been able to bring about. "Perhaps," sums up Taylor,

"more important than her actual accomplishment was her legacy of ideas which have continued to stimulate the growth of American humanitarianism."

Taylor has been studying for the past few years the role rican won

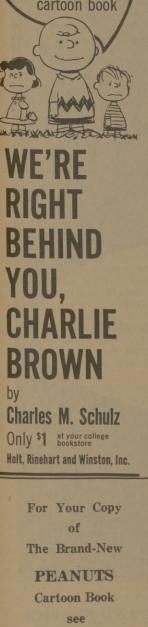
The Aggie Skydivers did well degree in mechanical engineering

bama, Florida, Louisiana, Okla- Oklahoma State. homa and the Army and Navy The grants are provided annualteams. Aggie Louis Hampton ly by the NSF for graduate and



summer leaves, he has worked During the semester break, the Association of Former Students.

Team members jumping were



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ll n'y a qu'un pour nos pantalonschic, magnifiques, elegants. distingues.

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**A-1** 

Tapers

SLACKS

the humanitarian movement and what effect their work has had abroad and in this country. His seulment mot research has led to the publication of some half dozen articles in national and regional journals and in the preparation of a number of biographical sketches for "Notable Women in America," now under publication by Harvard University.

★ ★ ★ Dr. Hugh J. McLellan of the A&M University faculty will join the Office of Naval Research in Washington about March 1 as a program officer and adviser in oceanography.

He will work in the geophysics branch, which is responsible for Office of Naval Research-sponsored work in oceanography. The organization is a major sponsor of oceanographic studies.

McLellan has taught, served as project director for the acquisition and conversion of the new Research Vessel Alaminos and filled other responsibilities as a professor of Oceanography at Texas A&M for almost seven years.

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