

CHICAGO, ILL. TUESDAY, JULY 25, 1967



ATLANTIS FOUND?—A Greek-American archeologist team announced at a news conference at the Boston Museum of Fine Arts the discovery of ruins of a city buried by a volcanic eruption on the Greek island of Thira 3,400 years ago. The scientists believe the city could be part of the lost continent of Atlantis, fabled in the writings of Plato. Shown is an uncovered house (left) and whole vases (right) discovered in the house.

In Poland Today

'Key' Club Offers Lift But Only In Elevators

Warsaw (Sp.) — Poland boasts what may well be the biggest unofficial "key" club in the world.

Like that of Western key clubs, membership in the Polish equivalent is limited to adults. But instead of entitling key owners to exclusive use of private bars in nightclubs, the local version grants hundreds of thousands of Polish elevator-users.

THE PURPOSE of the key, and the lock it fits, is simple: to prevent children from playing in elevators. Its nearest equivalent, according to world travelers, is a device in Algiers that requires a 5-franc coin to operate elevators there.

As in the West, fewer and fewer elevator men are employed in Poland, where only the larger hotels, hospitals and some Government ministries still have them. More and more tall apartment buildings — seven or eight stories — are

being constructed with self-service elevators.

THE KEYS, purchased from street-corner vendors for as little as 5 zlotys (20 cents), roughly resemble roller-skate keys used in the United States.

Many Poles, however lax they may be in respecting Government property—and most buildings here belong to the state — make an effort to keep elevator keys out of the reach of youngsters.

In recent years there has been an effort to standardize elevator keys and locks. Before and just after World War II, three types were manufactured; now only one is made.

MEMBERSHIP IN the Polish key club does not require having an elevator in the key owner's building. Many Poles find that they need keys when visiting friends or business associates whose buildings have elevators.

Midsummer
Glorifies
The Earth

We are entering the enchanting season of the year.

Midsummer is the power and the glory of the earth.

Anyone can live with summer; you don't have to wall yourself in or shield yourself from it.

You are a partner, of sorts, in summer's achievements, whether you are a countryman with a meadow and a cornfield or a suburbanite with a lawn and a flower bed.

But if you become too arrogant, forgetting that you are a junior partner, a thunderstorm may box your ears or a tornado may make you think twice about human omnipotence.

ROADSIDES ARE white with daisies, orange-splashed with black-eyed Susans. Queen Anne's lace begins to show its frothy furrows.

Oaks are committed to acorns and the nuts on hickory, walnut and hazel bush are established, deliberately maturing toward autumn and ripeness.

ALREADY A MONTH past the summer solstice, the sun, as we see it, has begun edging south and daylight has lessened by half an hour.

The inclination is toward autumn, though we are reluctant to admit it.

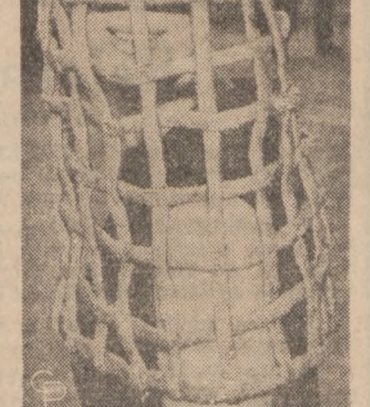
Now, midsummer, is winter's dream of perfection; it is April's hopes and May's promises come true; it is the richness and the ripeness of the earth again made manifest.

And man participates, if he will, not as proprietor but as a participant in life itself.

Aspirin Caution

San Francisco (UPI) — The California Medical Association says candy-flavored aspirin tablets, marketed especially for children, should be handled with care.

Many parents mistakenly assume the drug is harmless, the associations warns, and give their children an overdose. The result can be fatal.



THE SPACE HELMET idea is supposed to be the theme of this creation by London milliner Simone Mirman.

Julie Kasprzyk Wins Accordion Championship

New York (Sp.) — Julie Ann Kasprzyk of Ansonia, Conn., is the 1967 accordion champion of the United States, winner of the nationwide competition sponsored by the American Accordionists' Association. As a result of her victory Julie Ann will represent the U.S. in the international "Coupe Mondiale" in Leiden, Holland, in October.

Kilkowski Promoted To General

Washington (Sp.) — Among twenty five Air Reserve Officers recently promoted and given mobilization assignments is Brigadier General V. F. Kilkowski, assigned as Chief of Staff to the Maryland ANG.

Radiation Monitor

Oakridge, Tenn. (UPI) — Atomic scientists at the Oak Ridge National Laboratory have devised a system for monitoring radiation in the atmosphere around industrial plants while driving through the area in a car.

The sampler unit operates by the vacuum from the intake manifold of the car's engine and samples one cubic foot of air per minute in its search for unsafe radiation levels.

Holiday Tickets

Atlanta (UPI) — The Georgia Highway Patrol says it issued a record 10,000 traffic tickets and warnings during the Fourth of July holiday weekend.

The effort paid off, Public Safety Director R. H. Burson said, in holding traffic deaths to 12 for the four-day period — more than two and one-half times below the predicted toll of 31.

Medical Engineering

Palo Alto, Calif. (UPI) — Scientists are using engineering theories on fluid and solid mechanics to study blood flow in the circulatory systems.

The analysis of physiological phenomena is being conducted at the Palo Alto Medical Research Foundation under the direction of Dr. Alvin H. Sacks, a member of the foundation's Bio-Engineering Physiology Division.

Now You Know

Baltimore in 1885 became the first American city to replace its horse-drawn trolleys with electric streetcars.

Trinidad, southernmost of the West Indies, is only seven miles from the South American coast.

America's sweet tooth takes more than 275 million pounds of honey a year to fill.

The private passenger car is used in 90 per cent of all vacation and recreation trips in the U.S.

Belgium has the highest per capita intake of mineral waters and soft drinks in Europe — 95.9 pints a year.

The cock ruffed grouse signals its mate by drumming on a hollow log with its beak.

Chicago Cadets Train At Army Reserve Camp Adamski Buczko



R. T. Adamski

Ft. Riley, Kan. — Cadet Reginald T. Adamski, 20, son of Mr. and Mrs. Joseph F. Adamski, 3423 W. 85th St., is shown cleaning his rifle while attending Army Reserve Officers' Training Corps summer camp at Ft. Riley, Kan. He is a student at De Paul University, Chicago, Ill.

He is receiving six weeks of training in leadership, rifle marksmanship, physical conditioning and other military subjects.

Upon successful completion of summer camp and graduation from college, he will be commissioned a second lieutenant in the U.S. Army.

Cadet Adamski graduated in 1964 from St. Rita High School. He is a member of the Pershing Rifle society.

(U.S. Army Photo)



Len Buczko

Ft. Dix, N.J. — Leonard S. Buczko, 23, son of Mr. and Mrs. Stanley Buczko, 2230 W. 80th St., was promoted to Army private pay grade E-2 upon completion of basic training at Ft. Dix, N.J.

The promotion was awarded two months earlier than is customary under an Army policy providing incentive for outstanding trainees.

As many as half the trainees in each training cycle are eligible for the early promotion, based on scores attained during range firing, high score on the physical combat proficiency test, military bearing and leadership potential.

During advanced individual training, also of eight weeks duration, those who received early advancement to E-2 may be eligible for another "accelerated" promotion, to E-3 (private first class).

(U.S. Army Photo)

Wozniak



Tim Wozniak

Ft. Riley, Kan. — Cadet Timothy A. Wozniak, 20, son of Mr. and Mrs. Aloysius F. Wozniak, 8613 Houston Ave., is shown during bayonet training while attending Army Reserve Officers' Training Corps summer camp at Ft. Riley, Kan. He is a student at De Paul University, Chicago, Ill.

He is receiving six weeks of training in leadership, rifle marksmanship, physical conditioning and other military subjects.

Upon successful completion of summer camp and graduation from college, he will be commissioned a second lieutenant in the U.S. Army.

Cadet Wozniak graduated in 1964 from Mount Carmel High School. He is a member of Tau Theta Epsilon fraternity.

(U.S. Army Photo)

Tetrycz



J. S. Tetrycz

Ft. Riley, Kan. — Cadet James S. Tetrycz, 21, son of Mrs. Ann Tetrycz, 1957 N. Fremont St., is shown during bayonet training while attending Army Reserve Officers' Training Corps summer camp at Ft. Riley, Kan. He is a student at De Paul University, Chicago, Ill.

He is receiving six weeks of training in leadership, rifle marksmanship, physical conditioning and other military subjects.

Upon successful completion of summer camp and graduation from college, he will be commissioned a second lieutenant in the U.S. Army.

Tetrycz graduated in 1963 from De Paul Academy. He is a member of the Pershing Rifles society.

(U.S. Army Photo)

TIMELY TOPICS

Studies Of Light Aid To Research

A team of American and German scientists has developed a method for generating light bursts of such extraordinary short duration and high intensity that they are believed to open up a variety of new avenues of research.

Pulses lasting no more than 30 millionths of a millionth of a second have been generated, each carrying 5 million watts of power. Pulses at least 50 million watts, are already within reach. The pulses are derived from a laser, then are compressed in time and increased in intensity.

SUCH PULSES could be used in a radar system that would measure distances to an accuracy of less than an inch. They could measure the motions of molecules in solids and liquids that are too rapid for observation by normal means.

They could explore the many-stage interactions when light strikes matter. Such events have been too short-lived for study. Furthermore, up to this time light pulses intense enough to produce clearly observable effects have tended to destroy the material. Extremely short pulses would not do so.

THE GENERATION of such pulses was described at the meeting of the American Physical Society held last week at the Sheraton-Park Hotel in Washington. The presentation was by Dr. Joseph A. Giordmaine who played a leading role in developing the technique at the Bell Telephone Laboratories in Murray Hill, N.J. He further described the work in an interview.

The original light source is a ruby laser that generates pulses of red light 20 billionths of a second long. These are directed into a tube of liquid carbon disulfide whose molecules are set vibrating in a way that causes them to emit light at a wavelength different from that of the laser pulses.

THIS NEW LIGHT charges back down the tube. As it meets on-

coming waves of the laser pulse it changes their direction and their wavelength as well.

The process, known as "stimulated Raman scattering," can be likened to members of a football squad running down a stadium field in single file. The column is spread out along a length of 40 yards. As the first man crosses the goal line he turns around and runs in the opposite direction. Whenever he meets an oncoming man, the latter also reverse direction until the entire squad is running back up the field.

However, the squad is now bunched into a much tighter group. If the football players were light waves and the squad was a light pulse, the pulse would have become both shorter and more intense.

SUCH PULSES can be extracted from the system for a variety of uses. In a recent lecture on developments in electronics, Dr. Nicolaas Bloembergen, professor of applied physics at Harvard, described the technique as of outstanding importance.

Other participants in the project included Dr. Stanley Shapiro of Bell and two scientists from the Technische Hochschule in Munich, Dr. Max Maier and Wolfgang Kaiser. Dr. Giordmaine pointed out that the pulses that have been generated so far were not the shortest ever achieved.

Dr. John A. Armstrong of the International Business Machines research center at Yorktown Heights, N.Y., reported on a neodymium-glass laser that produces bursts of light even shorter than those at the Bell laboratory.

IT IS THE POTENTIALITY of the Bell technique for converting laser pulses into even shorter and more powerful bursts that has excited researchers in the field.

Laser is an acronym for light amplification by stimulated emission of radiation. A laser beam is a narrow intense shaft of light that can travel great distances without spreading.

Zablocki's Plan Great Lakes Basin Commission To Call Alewife Conference

Washington (Sp.) — Rep. Clement J. Zablocki (D-Wis.) today that he has asked the Lakes Basin Commission to schedule at the earliest possible date a nationwide conference at which federal, state and local officials could coordinate efforts to combat the alewife problem.

In a letter to the Commission chairman, Raymond Clevenger, Zablocki emphasized the need for cooperation among the states and agencies of government. He said he recently had met with Clevenger personally on the matter.

THE GREAT LAKES Basin Commission, created under the Water Resources Planning Act, is a federal-state body with recommendatory powers over a broad scope of Lakes-related matters. Currently it is establishing offices in Ann Arbor, Michigan.

"It seems to me that the Commission is the ideal agency to reconcile various state interests

and to make suggestions for effective action to help prevent an eleventh inundation of our beaches again next year," Zablocki said.

COMMENTING on his letter, Zablocki said a conference is necessary to establish agreement by all parties concerned with methods of controlling the problem.

In the past, he said, states like Indiana and Illinois have been most interested in obtaining help at cleaning up beaches. Michigan officials, on the other hand, have wanted money to stock predator fish which would weed on alewife and enhance sport fishing as well.

Wisconsin has been more interested in the commercial harvesting of the small herring-like species. "These differences have sometimes resulted in officials working at cross-purposes," the congressman noted. "A sad lack of coordination has been evident in the scramble each state has made in Washington in past weeks to find funds to remedy the alewife problem."

"A conference also could be valuable to sift through the dozens of proposals from private citizens for alewife control, and to establish those which are worthy of serious consideration," Zablocki wrote Clevenger.

Fill Up Both Ways

St. Louis (UPI) — Coroner Raymond L. Harris of St. Louis County objects to sale of alcoholic beverages in service stations.

The Board of Aldermen in the city of St. Louis declines to take action on a bill to ban such sales. Harris, for the County, said permitting such sales encourages, creates and increases the danger of persons driving, "thereby seriously affecting safety on our streets and highways." He said more than 50 per cent of "our highway fatalities are caused by people driving while under the influence of alcohol."

WORLD WEEK map with various news items: JAKARTA CLAIMS PLOT TO OUST ACTING PRESIDENT SUHARTO SMASHED; U.S. CASUALTIES NOW SURPASSING SOUTH VIETNAM'S; MEXICO CITY ARRESTS 13 REDS, SAYS REVOLT PLOT FINANCED BY RED CHINA; LIGHT PLANE HITS BIG JET OVER NORTH CAROLINA, 82 KILLED; CONGRESS WORKS TO RAISE FIRST CLASS MAIL TO 6c, AIR TO 10c; NEW JERSEY IN STATE OF EMERGENCY, RACE STRIFE DEATH TOLL 27 IN FIRST FOUR DAYS; WE'LL WITHDRAW MOST TROOPS FROM FAR EAST, ABANDON AIRCRAFT CARRIERS BY MID-'70S—LONDON; INSTANTANEOUS DECKED OUT FOR POPE; U.S. GUARDS SUEZ CANAL; MALAGASY AIRLINER EXPLODES, 41 KILLED.

TECH-AGE LANGUAGE BY JOHN KRANER, CENTRAL PRESS. AUTOMATION—contraction: (automatic operation). System applied to large scale manufacturing using integrated machines and computers to replace or improve on human functions. Coined by John Diebold in 1950.

