



Hughes Aircraft Consultant Discusses Trend in Industry

"Giant corporations are not, contrary to popular belief, cold and impersonal creatures, but they are interested in the individual, what motivates men and what concerns individual men," Raymond B. Parkhurst, Hughes Aircraft Corporation consultant, told the Medford Chamber of Commerce Roundtable Monday.

American industry and ingenuity have responded to the cry to produce more "things," to possess more "things," and to be able to use more "things," Parkhurst continued.

The era when this country concentrates on the production of things to use is drawing to a close. What industry is now recognizing is the natural resource of man, Parkhurst said.

It is necessary now more than ever before to emphasize the humanities in education, whether it is in public schools and colleges or in industry. "Without it," he said, "we may destroy ourselves."

Retired Vice President

Parkhurst, a retired vice president of Hughes Aircraft Corporation who has been retained as a special consultant, prefaced his presentation with a film about Hughes Aircraft Corporation, which showed how industry is now concentrating on people not machines.

Parkhurst pointed out that his interest in the importance of the individual is a result of his training and experience.

From 1918 until about seven years ago, he was connected with an industry which had as its ultimate aim the destruction of segments of mankind, he noted.

He said he has been influenced by two men — Arnold Toynbee, historian, and the late President John F. Kennedy.

Benefits Distributed

Toynbee, in an essay, wrote that the 20th century will be remembered as the first time in history that the benefits of mankind have been distributed to all people, not for its jet aircraft, the Salk vaccine, its wars, or products from the atom, Parkhurst continued.

Kennedy often indicated that he was proud of the creation of the Peace Corps, a unit of people which has as its main goal the distribution of information to the people of the world.

Communication of information to people was the subject of Parkhurst's talk, "Visual - Sonics," which brings together the fundamental means of communication, sight and sound. "Visual - sonics arrests knowledge and information in point of time, to enable us to see and to know it," he said.

For the first time, Parkhurst continued, communication is possible to all levels of people.

Demonstrates Machine

The machine he demonstrated, a Hughes product, is the result of more than \$5 million in research. Programmed lessons are put on tapes and slides, and are synchronized to operate simultaneously. Lessons are made up beforehand and can be used as many times as necessary.

The effectiveness of the machine was demonstrated by Parkhurst in relating an experiment conducted at Aberdeen Training Grounds, where 20,000 men were being taught complex electronics by about 1,200 instructors.

Taking the lower 10 per cent of the trainees who would normally wash-out, the men were

Presidential Auto Being Fitted With Bulletproof Glass

DETROIT (UPI) — The car in which President Kennedy was assassinated is being refitted with bulletproof glass and armor plate for use by President Johnson.

The work on the famous "bulletproof" presidential Continental is being done at a Ford Motor Co. experimental garage in Dearborn. But Ford officials and the Secret Service declined to comment.

However, sources said the limousine in which Kennedy was killed and Texas Gov. John Connally was wounded in Dallas Nov. 22 was brought to Dearborn under a cloak of secrecy last week.

There had been reports the car would be retired to the Henry Ford Museum in Dearborn. The limousine, built to Secret Service specifications, was delivered to the White House in June, 1961. It had not been bulletproofed.

To Be Bulletproofed

That will be done later this week when the car is shipped to the Hess and Eisenhardt custom body firm in Cincinnati. The Ohio firm did the original special body work on the car two years ago.

The last bulletproof presidential limousine was the "Sunshine Special" used by President Franklin D. Roosevelt.

The presidential Continental and an earlier presidential Lincoln used by former President Dwight D. Eisenhower had plastic domes or "bubbletops" they were known.

The top was not in place when Kennedy was shot. It was not bulletproof but some ballistics experts believed the fatal shot might have been deflected if the top had been in use.

Work Being Done

It was learned that the following work is being done:

—A new windshield has been installed, lending credence to reports the old one was damaged in the shooting.

—Springs and shock absorbers have been strengthened so the car can carry an additional 1,000 pounds of bullet proof armor plate.

—The brakes also have been stiffened and the exhaust system reworked to accommodate the heavier load.

—New trim and carpeting have been installed in the back seat where Kennedy was riding when he was shot.

The arrival of the car here was the first indication that President Johnson planned to use the 21-foot special limousine in which his predecessor died.

Massachusetts State Senator Laid To Rest



ARLINGTON, Va. (UPI) — Burial services at Arlington National Cemetery were held Tuesday for Maj. Gen. Michael J. Galvin, Massachusetts state senator and World War II commander of the 9th Infantry Division in Europe.

Galvin, a Labor Department undersecretary in the Truman administration died last week.

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TESTIFIES BEFORE UN—Henrique Galvao, Portuguese refugee leader who led hijacking of the Portuguese liner Santa Maria two years ago as a protest against the Salazar government, is shown as he testified before the United Nations on conditions in Portugal's territories. Portugal was reportedly ready to ask Galvao's extradition when he arrived in the United States from Brazil. (UPI)

Small Worlds Around Us
By LYNN M. WATKINS
(Register and Tribune Syndicate 1963)

Microscopic "Eels" Growing In Most Kitchen Cupboards

You would hardly believe it, but there is some mysterious "goings-on" right now in one of your kitchen cupboards with in the glass walls of a vinegar bottle—a peculiar chain of events that parallel the happenings as recorded in the story of the Arabian Nights.

Even the lamp of the Genie could never have conjured stranger magic.

The bottle sits quietly on the kitchen shelf in a glass container holding a few ounces of an amber colored, sour liquid used for flavoring cabbage, salads, or preserving cucumber pickles. Nothing about it would indicate the strange tumult taking place within the glass walls.

Vinegar itself is not so mysterious; it is the most common and most universally used of all the so-called condiments. Chemically it is acetic acid diluted with water.

It can be made from wine, beer, cider or malt liquor. All these contain alcohol which, united with oxygen and allowed to ferment, will become sour.

The best vinegar is made from cider. The reason it is best is because cider contains a great many tiny, living things called "vinegar eels."

Enormous Colonies

Vinegar eels are microscopically small and grow in enormous colonies consisting of millions of individuals. Through the combined chemistry of their collective bodies, the necessary fermentation to sour the mixture takes place and the result is vinegar. Actually vinegar eels are yeast animals or plants, all alike and very active.

Once the vinegar in which the little "eels" are living is fermented to the degree of sourness desired, the product is packaged, offered for sale, and used on our tables. But the strange process that made it vinegar in the first place does not stop.

The little organisms continue to remain active, and shortly a cloudy globule of substance forms in the fluid. This globule grows in size until it will eventually fill the bottom of the container, whether it be a glass jar or a large wooden barrel.

The mass will grow dense and look very much like a large piece of liver. It can be removed from the jar or barrel as a jelly-like clump. This accumulation which grows and grows, is called "mother of vinegar."

Continues To Grow

This viscous, jelly-like mass is produced by microscopic bacterial growth. It has been a source of wonder and absolute amazement to children as well as to grown-ups who have watched its strange growth inside a vinegar bottle.

The blob of material we call "mother of vinegar" adds to its own bulk constantly. It will continue to grow in size and mass as long as it is not disturbed too severely. In time it will entirely fill the vinegar bottle. Looking at it through the glass sides of the cruet it is difficult to realize that it is really a mass of tiny

School News

Howard School

Ron Singler's room elected officers for the third six weeks period. Kristine Archibald was elected president; Tamara Peery, vice president; Nancy Britt, secretary; and Terry Taylor, treasurer.

In Social Studies we are studying Venezuela and Colombia and in science we have begun a unit in chemistry.

Mike O'Grady's team won the Intramural Basketball championship and Jim Pardee's team was runner-up. Jim Pardee was the individual high scorer.

Jack Bailey's new class officers are president Mike Sleight; vice president, Vicki Bogner; secretary, Shirley Pardee; messenger, Darrel Friesen; paper monitor, Ann Thomas; room cleaners, Sally Hughes and Judy Pierce.

We exchange gifts, have a party and take part in the Christmas sing during the holiday season.

In History-Geography class we have completed our study of the history of the United States. We are now ready to study the geography. We will begin with the New England states and move toward the Middle Atlantic, South Central and Western states.

In Jacqueline Rigg's fourth grade we have been singing and learning Christmas songs and making decorations for our room.

We saw an interesting filmstrip on "How to Make Oral and Written Reports." This helped us to do a better job with our written Social Studies report.

In Mrs. Flossie Murray's room we have been as busy as Santa's Elves. Since Thanksgiving we have been making room decorations, trappings for the tree, gifts for our parents, and Christmas cards.

We are going to have a Pop Corn Party at Mrs. Murray's home Tuesday before vacation. We will have a Christmas Party in our room Friday. We drew names to exchange gifts.

Mrs. Audrey Berry's and Mrs. Hullah Fisher's third grade rooms are getting their rooms ready for Christmas.

Alta Sabun is a new girl in Mrs. Fisher's room. She came to Howard School from Boise, Idaho.

We have been studying insects in science.

The first and second grades have been preparing for our Christmas program, "A Little Child," which will be presented in the school gymnasium at 1:30 p.m. Thursday, Dec. 19.

Our classrooms all have a Christmas atmosphere with decorations and trees decorated by the children.

The children are looking forward to the gift exchange and room parties on Friday, Dec. 20.

As in past years, the children of Howard School contributed several large boxes of canned goods for Christmas baskets.

Strawberry Price Agreements Reached

SALEM (UPI)—A three-year agreement on strawberry prices for growers has been announced by Birds Eye Division of General Foods and the Oregon-Washington Vegetable Growers Association.

The agreement provides a firm price to Birds Eye growers of 14 cents per pound in 1964 with floor-to-ceiling ranges of 13 to 15 cents in 1965 and 13 to 15 cents in 1966.

The 1963 price was 12 cents a pound.

Local Student Gets Marine Commission

Larry R. Anderson, son of Mr. and Mrs. Virgil O. Anderson, stationed a second lieutenant in Medford, has been commissioned a second lieutenant in the U. S. Marine Corps and following the Christmas holidays at home will report for active duty at the Marine Corps schools, Quantico, Va.

Anderson received his commission from Capt. Ralph F. Locke, USN, professor of Naval Science at Oregon State University, from where he received a bachelor of science degree in business administration and participated in the Navy ROTC program.

While on campus Anderson was active in many school activities and was business manager of The Barometer.

College Students Get Old Furniture

LOS ALTOS HILLS, Calif. (UPI)—Drastic action was taken when furniture in the Foothill College Student Union lounge suffered \$8,000 damage during the past year.

After several warnings to students went unheeded, student government leaders ordered sofas and chairs put in storage, replaced by orange crates and damaged furniture.

Confederate chaplains were appointed by President Davis, carried no special rank and their pay varied.

4-H NEWS

Talent Summers

The Talent Summers 4-H Sheep Club held its monthly meeting Dec. 8, at the home of Billy Bagley, at 2 p.m.

There was no old business discussed. Under new business discussed, was that rule that members must attend at least five meetings before they can exhibit at the fair in either the June or August shows.

Officers were elected. They are Billy Bagley, president; Judy Boettcher, vice president; Sharon Boettcher, secretary; Steve Chapman, reporter; Faye Chapman, song leader.

Billy Bagley gave a demonstration of how to tag a ewe. Refreshments were served and the meeting was adjourned.

Reporter Steve Chapman

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