

A Very Merry Christmas



Edward Hartnett

The WINGFOOT CLAN

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Nuclear Power Will Be Essential In 1985

By Carl Walske

— Rocky Mountain News, Denver, Colorado

Although we no longer wait in line at gas stations, our energy crisis is still with us, a bitter lesson of history that we shall soon repeat unless we learn from past experience.

Even with a maximum program of conservation our energy demand will increase by 45 per cent over the next decade.

Oil and gas now meet more than three quarters of our energy needs, and they cannot possibly match such a rise in demand. They represent less than 5 per cent of our fuel resources, and they would be depleted within 20 years — even without increased production.

Among the alternatives available, nuclear power emerges not only as necessary but also as economic, safe and environmentally preferable.

Coal is our most abundant fossil fuel, and we must rely increasingly

on it. But to meet its share of projected demand, we must open one new large mine every month for the next 10 years — a formidable task, since fewer than 25 such mines were brought into production over the past decade.

Solar and fusion power cannot be ready in time. Geothermal, tidal and wind power can supply less than 1 per cent of the demand.

That brings us to nuclear power. This technology is already established, supplying about 3 per cent of our total energy needs. And it is the only one capable of significant expansion in the years ahead, to about 10 per cent by 1985.

Right now 55 operable reactors represent nearly 8 per cent of the country's electric generating capacity. Units now being built or on order could increase this share to near-

ly 25 per cent by 1985.

Nuclear fission, then, is necessary to bridge the gap between today's limited fluid fuels and the virtually unlimited fuels of the future.

Nuclear power offers economic benefits as well.

Although nuclear generating stations cost more to build than their fossil counterparts, they are much less expensive to operate, due primarily to lower and more stable fuel prices.

As a result, these plants in 1974 produced electricity at less total cost than fossil stations, saving utility customers about \$800 million. Utilities report that in the first quarter of 1975, nuclear power generation costs ran nearly 60 per cent below those for fossil generation — about \$120 annually for each residential customer based on current consumption.

The cost to the environment, too, is significantly less. Due to the high concentration of energy in uranium, the environmental effect over the entire nuclear fuel cycle is very small — from mining through transportation and on-site storage to waste disposal. And the generating stations themselves discharge no byproducts of combustion.

They do reject more waste heat than fossil plants. The effect of this thermal effluent, however, depends on particular conditions at the individual site. Where necessary, it can be virtually eliminated through cooling towers or artificial ponds.

Nuclear power, then, can make its vital contribution to our energy needs at a lower economic and environmental cost than any other practical alternative.

Finally, nuclear power is a safe means of generating the energy we need.

Technology proven over the years and carefully incorporated in plant design construction and operation has kept routine releases of radioactivity well below 1 per cent of the amount we routinely — and inevitably — receive from nature.

Further, during some 225 reactor-years of commercial operation, there has never been an accidental

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Blimp Goes To Sea

Oil booms the Navy will use to control pollution at sea undergo successful tow tests in San Francisco bay, under the watchful eye of the Goodyear airship Columbia. Goodyear Aerospace Corporation, which builds the Goodyear blimps, also built the oil boom under a \$1 million contract from the Naval Sea Systems Command. Booms are now being delivered to the Navy for use around the world in case of oil spill emergencies.

Dr. Henson Is New Medical Director



If you think gas and oil are scarce commodities, try to find a Medical Director. Since the death of Dr. Lehman, Goodyear Atomic has conducted an extensive search to replace him. Last month the search finally ended as Dr. Edward Vale Henson joined our staff. The fifty-eight year old physician previously was the Medical Director at Kawecki Berylco Industries in Reading, Pa. Our needs and his qualifications were obviously well matched, and since he had family interests in this area of the country he accepted our offer.

He brings to GAT a wealth of experience and credentials. A graduate of Penn State University he completed his medical training at Jefferson Medical College in Philadelphia, Pa. Subsequent assignments took him to St. Francis Hospital in Charleston, W. Va., Union Carbide Corp. in South Charleston, W. Va., and American Oil in Chicago, Ill. before joining his previous employer Kawecki Berylco as Medical Director.

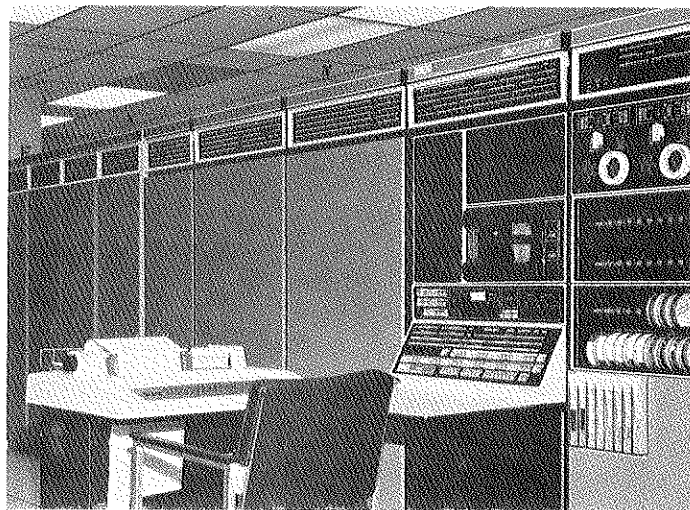
New Computer Is Amazing

In the August issue of the Clan, the X-710 addition was covered which provided 29,697 additional square feet of space available in the technical services building. In that article, the movement of the Computer Systems and Procedures Subdivision was mentioned. The exodus from the main administration building, X-100, has been accomplished and a most impressive new computer system has been added.

The DEC 1060 system is a product of Digital Equipment Corporation. All material presently being processed by the IBM 1410 will be transferred. The DEC system was chosen for its communications capabilities and its ability for on-line programming, which is program control from terminals. The new system will also handle DYM-CAS which is the Dynamic Special Nuclear Material Control and Accountancy System.

The internal computational speed is approximately 2000 times faster than the IBM 1410 and jobs such as the hourly and salary payroll, financial cost control and material control will be more effectively handled. The DEC 1060 also has a large expandability feature in its memory and other capabilities. With this system we are up to date and ready for the future.

Our new computer, DEC 1060, is in operation in the X-710 addition.



Here Is A Christmas Gift Idea

Frustration and joy — the annual Christmas contradiction.

It's that time again. Are you ready to battle the crowds, the lines and, at times, the elements to get that special gift you THINK is perfect?

Well, if your family even has a touch of racing fever, the Goodyear Motor Sports Club just may be the solution. For \$15, \$5 or \$3, you can give those "impossible-to-buy-for" people a gift that they will enjoy dozens of times in the next 12 months.

Membership in the club means:

- A specially-designed, personalized card from you (sent from club headquarters) will be sent to the person receiving the gift membership. A kickoff packet (club cap, patches, stickers, magazines, membership certificate and club card) will follow.

- Exclusive discounts on tickets

and merchandise are available.

- Almost every major racing event in the United States has a special hospitality area for Goodyear Motor Sports Club members. Nineteen of the biggest names in racing serve on the club's board of advisors and they meet and speak with members at the races.

- Challenge a full-color quarterly magazine packed with the best racing writing and photography available anywhere, is sent to the recipient's home. He'll also get a monthly newsletter that keeps members abreast of whats new in the club.

- Club benefits are always on the grow. Programs for the immediate future include car rental discounts, a book program, magazine subscription discounts, an expanded merchandise line, group travel arrangements and more.

- Family memberships cost much less. The first family member joins for \$15, the second for \$5 and all others for \$3 each.

For the racing enthusiast, there's no better way of getting closer to the action.

For the Christmas shopper, there's no easier way to give a gift that will be appreciated for a full year.

Send your name and address and names and addresses of others to Goodyear Motor Sports Club, P.O. Box 66, Akron, Ohio 44316. You can charge the membership fees to Master Charge, Bank Americard or American Express but be sure to list your card number.

Nuclear Power Will Be Essential

(Continued from Page 1)

release of radiation that has injured a member of the public, or even a plant worker.

Future risks also will be small. Recently a team of scientists and engineers directed by Prof. Norman Rasmussen of MIT completed a comprehensive study of the probability and consequences of accidents at commercial nuclear power plants.

Among their findings was that an individual living near a nuclear plant, if there were 100 reactors operating, would face a probability of dying from a nuclear accident of one in 300 million per year.

By comparison each of us routinely accepts each year a risk of fatality of one in 4,000 from automobile accidents, one in 10,000 from falls, one in 30,000 from drowning, one in 100,000 from air travel, one in 2,000,000 from lightning.

Faced with our energy dilemma — which a group of eminent U.S. scientists recently called the most

serious situation confronting our society since World War II — we can conclude as they did that there is no reasonable alternative to increased use of nuclear power to satisfy our energy needs.

Take Notice

The Insurance Department has moved to the office area adjacent to the cashier's window, just inside the X-100 Building door which exits to the cafeteria.

Postal Rates Increase This Month

Effective October 11, 1975, all domestic First Class letter mail will be handled as Airmail by the U.S. Postal Service without any increase in the current First Class Rate of 10 cents for the first ounce and 9 cents for each additional ounce.

Handling of International Airmail will remain the same with Airmail to Canada and Mexico requiring postage at the International Rates.

Obsolete 13 cent Airmail stamps can be used for postage on any class of mail and can appropriately be used on letters after December 27, 1975, when the first class postage rate will increase to 13 cents per ounce.

DEAR ABBY SAYS

Until Death We Do Part

Rings and other types of jewelry can become deadly safety hazards in many jobs performed daily by the men and women of Goodyear Atomic. One person recently sent your editor a copy of a Dear Abby column suggesting that it be printed in the Clan. Its message is quite clear.

The column reads as follows:

"Dear Abby: I am the plant manager of a large industrial company employing over 3,000 men, and their safety is my concern.

Enclosed is a letter that, I am told, appeared in your column about 10 years ago.

How much would you charge us to reprint this letter in our company paper? It could prevent accidents and perhaps save lives. Respectfully,

CHICAGOAN

The column:

"Dear Abby: I am one of those foolish wives who insisted that my husband wear his wedding ring at all times. My husband is a maintenance mechanic, and this is what happened. Yesterday, I received a call informing me that my husband was at the hospital! While jumping off a construction truck, he caught his ring on a piece of metal, and his finger was practically torn off. I was told he was lucky he wasn't killed since he lost his balance and fell under the wheels of the truck.

"Abby, please print this in your column as a warning to other women who want their husbands to wear their wedding rings to work.

AL'S WIFE

"Dear Wife: Thank you for your letter, and while we're on the subject, read this one:

"Dear Abby: When my husband and I were married we had a double-ring ceremony, and he promised he would never take his wedding ring off. And he never did. After a few years he gained a little weight and couldn't get it off. My husband was an electrician.

"Well, to make a long and very tragic story short, his wedding ring wore a tiny hole through his insulated glove and a fatal contact was made. He died instantly. When his lifeless body was examined, the only sign of injury was a small burn where his wedding ring encircled his finger.

ELECTRICIAN'S WIDOW

"So . . . dear wife, if your husband works around machines or electricity, tell him to leave ALL rings at home — if you really love him that is.

"Rings and other type of jewelry for women and men working with machinery and electricity are a major problem in industry. Sentiment is a poor excuse for wearing a ring when it can cause the loss of a finger, hand, arm or even a life.

Dear Chicagoan: Be my guest. No charge. P.S. And the same goes for any other company that would find it useful.

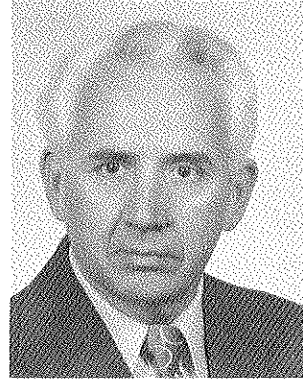
Humston Achieves 20 Years Of Service

Fred P. "Cap" Humston, Police Captain, will achieve 40 years of continuous service on December 16. Cap has been responsible for police activities on his shift since March of 1953. A resident of Lucasville, he has been an active sports participant and coach for many years. Currently Cap is on sick leave and we wish him a speedy return to work.

Women's Club Celebrates Twentieth

GAT Women's Club in Portsmouth celebrated its twentieth anniversary this year. During the year, there were three projects: two dances co-sponsored by GAT Recreation Department and a benefit bridge. In excess of \$1500.00 was donated by the club to support their charities. Happy Hearts School for mentally retarded children is their primary charity.

The club was also successful in the area of membership with an increase of about twenty-five percent. They urge any mothers, daughters, wives, sisters, or daughters-in-law of Goodyear employees in the Portsmouth area to consider membership. Information can be obtained from any member of the club or from Mrs. B. G. Noel (354-2552) or Mrs. Neville Trimble (259-4100).



Fankell Promoted

Raymond Fankell has been promoted to General Foreman - Maintenance where he will be responsible for maintenance services activities on his shift. A resident of Wheelersburg, Mr. Fankell attended Portsmouth Interstate Business College. He joined Goodyear Atomic in April of 1968 as a sheet metal mechanic. He was promoted to Maintenance Foreman in October of 1973.

Safety Program Outlined

In a letter insert delivered to you with the October Clan General Manager, C. D. Tabor, outlined Goodyear Atomic's new Safety Incentive Award Program in the following manner.

- Plantwide individual safety incentive awards will be based on the number of 30-day periods we operate the plant without having an injury that causes the loss of a work day.
- The awards will be issued annually, and the value of the award will be determined by a schedule, which escalates with consecutive injury-free periods.
- Nothing is paid in a period in which a lost-workday accident occurs; and the next 30-day period begins on the day following the accident. The earned award at that point is not lost, but the period rate returns to \$1.00.
- The twelfth period award rate will continue for all successive injury-free periods.
- The program is effective as of October 1, 1975, however, the first annual award will include the time subsequent to a previous lost day injury on July 25.

CLASSIFIED

FOR SALE

Hillside lot overlooking Lake White — Overlook Drive, Forrest Hills Estates, 120 ft. frontage. Phone 947-2341.

1972 Ford Cargo Van, good condition, take over payments. Call after 4:30 p.m. 259-4825.

Tiny Toy Poodles, all colors, in time for Christmas, AKC registered. 384-2914, Wellston, Ohio.

Minford Home: 3 bedrooms, 2½ baths, central air, all electric, brick colonial. 5 acres in restricted area, \$47,900. 820-2418.

1972 Monte Carlo, 350 V-8 — auto., factory air, P. S., P. B., good condition, \$2700 Firm. 947-5957.

1971 Corvette T-Top, 350 - 4 speed, \$5000. 574-5951.

1972 Oldsmobile Cutlass Supreme, two door hardtop, P. S., P. B., 47,000 miles, new radial tires, shocks and brakes, \$2,500. Call. 947-5990.

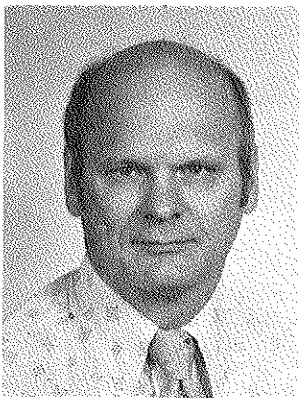
Magnavox Stereo Console — AM-FM radio, turntable, 8 track. Phone 947-2341.

In order to keep everyone advised of our progress, a monthly Safety Award Boxscore will be published in the Clan in the format below. Safety awareness is most important and all employees are responsible for working safely. Your protection and that of your fellow workers is at stake.

Safety Award Boxscore

Annual Safety Award
Total Is \$4.50 After 4 Months
Lost Time Accident Free Periods
July 25 to November 25
Eye Injury
November 26 to December 1
Back Contusion
December 2 to ???
IT'S UP TO YOU!

Don Scott Granted Classified Patent



A method of corrosion protection for aluminum alloys in process gas service has been developed by Donald L. Scott of the Measurements Technology Department, Department 522, and has been recognized as patentable by the United States Patent Office. The invention is classified and consequently cannot be granted a patent number. If, however, the invention is ever declassified, a patent number will be granted, with patent rights belonging to the United States Government.

Sugar And Spice In A Plant Guard's Uniform



Vicki Pritchett is a new member of our security force and she brightens up any portal.

A Christmas Message



Charles D. Tabor
General Manager



Charles J. Pilliod, Jr.
Chairman of the Board



John H. Gerstenmaier
President



Charles R. Milone
*Vice President of Research
& General Products Development*

These are the December days that bring us our richest sentimental experience of the year — the songs, the smells, the sounds, and the moods of Christmas.

At no other time is there the inner warmth that comes with choirs and carols, the pleasure of giving, the happiness of children, and the love of family and friends.

In the very special unity that is Christmas we sing together, celebrate together, and pray together in gratitude and hope.

The story lives again.

This year in celebrating the birth of Christ let's also dedicate ourselves to the rebirth of man, his thoughts toward his fellowmen, to peace in the world, to joy, and love.

Merry Christmas and best wishes for health and happiness in the new year.