

New Location Of Bloodmobile In X-105

On March 22, 23, and 24, GAT will again be visited by the Bloodmobile. This visit has an additional day, which will enable more employes to donate. In addition, our scheduling procedure has been revised so that only 10 employes will be scheduled for each 15-minute period, and additional space has been obtained by moving to the north side of X-105. This will reduce wasted waiting time and long lines.

The hours are as follows:

Monday, 22nd, Noon til 6 p.m.

Tuesday, 23rd, 9 a.m. til 3 p.m.

Wednesday, 24th, 7 a.m. til Noon

More employes are finding out about the value of a blood bank and how easy it is to handle such a problem. So take time on Wednesday, March 17th, or Thursday, March 18th to call Extension 2505 to pre-schedule an appointment consistent with your working schedule. If you do not pre-schedule, you must call Extension 2725 during the visit to make an appointment.

If a member of your family is a registered nurse and would like to help during the visit, have him or her call Extension 2505.

Let's make this visit a complete success by supporting a program which requires your participation to continue.

The WINGFOOT CLAN

Goodyear Atomic Corporation

The Goodyear Tire & Rubber Company

Volume 23

Pike-ton, Ohio, March, 1976

Number 3

Your Paycheck Only Part Of GAT Benefits

Too often we only recognize Goodyear Atomic's compensation of our activities as our monthly or hourly wage rates — that's only part of the story.

In addition to your base pay, the average GAT employee receives per hour: 44c for vacation, 28.5c for holidays, 18c for sick leave, 3c for civic activities, 4.5c for overtime, and 5.5c for shift differential. All of this shows up in our checks, and may be overlooked, but the costs are substantial operating expenses. These benefits enable you and your family to enjoy more of the "good life."

The story doesn't end there. The above benefits are those in your paycheck. There are several other valuable extras paid for by GAT, some of which would cost you money and inconvenience if you had to handle and pay for them yourself. Life, Accident, and Health Insurance for the average employe costs the Company 9c/hour, while Hospital, Surgical and Major Medical coverage amounts to 37.5c/hour. Our new prescription Drug Plan averages 6c/hour; Unemployment Insurance accounts for 2c/hour; and occupational injury and illness coverage, 3.5c/hour. Your Social Security benefits cost the Company 39c/hour, in addition to 47.5c/hour for your Pension.

A little quick arithmetic totals all of these unseen benefits at \$2.48 hour. The average employe receives approximately \$4,500 a year as a result of the Company-provided benefits. The next time you look at your paycheck, remember GAT paid almost \$10 million in 1975 to its employes over and above their normal rate of pay.



Craycraft

Zelinski

Bihl

Gilmer



Adams

Craumer

Mills

Humphrey

Promotions Announced

R. W. Craycraft was promoted to Supervisor, Nuclear Materials Accounting, Department 513. Mr. Craycraft will report to V. J. DeVito, Superintendent.

On February 16, 1976, the following were named Section Heads in the Plant Engineering Department: D. J. Zelinski—Mechanical Process Systems Section; H. W. Bihl—Power Distribution Section; R. L. Gilmer—Electronic Systems Section; T. C. Adams—Auxiliary Facilities Section; and R. L. Craumer—Civil and Environmental Section.

J. E. Grant was promoted to Shift Police Captain. P. W. Mills, Police Officer, was named Police Sergeant.

D. E. Humphrey, Sheet Metal Mechanic 1/C, was promoted to Foreman, Maintenance, D/726.

GT&R Reports Earnings Up

Goodyear today reported higher earnings for 1975 but the Company only earned 3 cents on each dollar of sales.

Chairman Charles J. Pilliod, Jr., said the earnings were higher both before and after required restatement of 1974 income. The restatement was made to reflect adoption of the Financial Accounting Standards Board procedures for translation of foreign currency financial statements.

Net profit for the calendar year amounted to \$161.6 million or \$2.24 a common share, an increase of 12% over a restated \$144.4 million, equal to \$2.00 a share last year. Earnings in 1974 before adjustment were \$157.5 million equal to \$2.18 per share. The profit of 3 cents per dollar of sales compared with 2.7 cents on restated income for 1974.

Net income for the fourth quarter amounted to \$32.3 million or 45 cents a share up from a restated \$25.5 mil-

lion or 35 cents a share last year.

Earnings for both the fourth quarter and the year were achieved on record sales. Fourth quarter volume was up 2.9% to \$1,405,400,000 from \$1,365,300,000 a year earlier. For the year, sales were a record \$5,452,500,000 against \$5,256,200,000 in 1974 -- an increase of 3.7%.

Pilliod noted that while the Company's sales increase was derived from overseas operations in 1975, the

profit improvement resulted from the substantial earnings increase achieved by operations in the United States. Foreign earnings were \$49.0 million against comparable 1974 income of \$49.3 million.

Pilliod said that a major achievement during the year was the reduction of debt by \$253.6 million through tighter control of assets, resulting in a substantially lower ratio of debt to

(Continued on Page 4)

Company-Wide Safety Contest

Award Winners Determined

Plant 1 Tires-Akron; Sun Prairie, Wis.; Niagara Falls; Cedartown, Ga.; Bakersfield, Calif.; Litchfield Park, Ariz.; and Motor Wheel in Ypsilanti, Mich. were the U. S. winners in the company-wide safety contest for 1975.

The winners were determined on percentage of improvement compared with their 1974 performance.

In addition to these plant winners, special awards were announced for plants having no injuries for the year, or having the lowest injury frequency.

Overall, Goodyear's domestic performance on accident frequency improved 12.7 per cent for 1975. The

percentage improvement for the international operations was 12.6 per cent with a total worldwide improvement of 13.8 per cent.

U. S. winners by divisions and their percentage improvement over 1974 are as follows:

TIRES - Plant 1 Akron - 71.0 per cent.

INDUSTRIAL PRODUCTS - Sun Prairie, Wis. - 186.8 per cent.

CHEMICALS - Niagara Falls - 83.6 per cent.

TEXTILES - Cedartown, Ga. - 133.7 per cent.

SPECIAL PRODUCTS - Bakersfield, Calif. - 228.4 per cent.

AEROSPACE - Litchfield Park - 103.1 per cent.

METALS - Motor Wheel, Ypsilanti - 213.2 per cent.

Four plants reported no injuries during the year. All overseas, they are Luxmold and Luxwire, both in Luxembourg; Italy and Colombia.

Those that recorded the lowest injury frequencies, by division, were Los Angeles, tires; Research-Akron, chemicals; Duo-Therm, Alamo, Tenn., metals; Plant C - Akron, special products; Sun Prairie, industrial products, and Cedartown, textiles.

Service Honored



Thirty-five years of service was reached by Russell W. Chase, D-812, on March 3. Peck (as he is known) started his Goodyear career in 1941 in the Production Squadron after attending Akron University. He was transferred to Houston in 1944 and returned to Akron in 1951.

1953 brought an opportunity to go to Piketon and Goodyear Atomic. He has been an Area Supervisor since December of 1954 except for a six-year position as Cascade Coordinator which started in 1958.

Peck and his wife, Rowena, reside at Marple Avenue in Piketon.

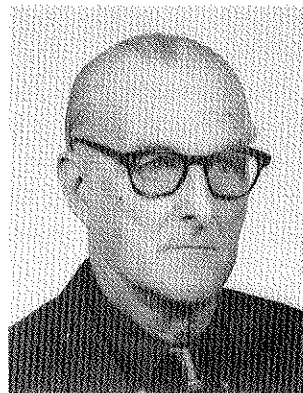


Otis H. Eblen, transferred to GAT last year from Goodyear Aerospace, Akron. His twenty-five years of service have been as a draftsman and designer with his current position as designer, in D-761. Mr. Eblen who attended Akron University lives with his wife, Kathy, at Pirates Cove, Lake White.

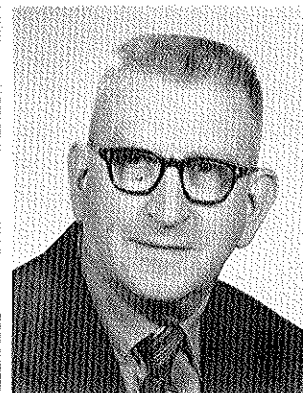
Bobo Assigned Patent Rights

Gerald E. Bobo of the Plant Engineering Department has assigned patent rights for two inventions to the United States Government. The inventions are a novel gate valve which may find use in future gaseous diffusion plants and a stem seal for a plug valve which permits movement of the stem but allows very minimal seal wear. The inventor is on special assignment to the Oak Ridge Gaseous Diffusion Plant to assist in the engineering of the add-on plant; both developments were conceived at Oak Ridge.

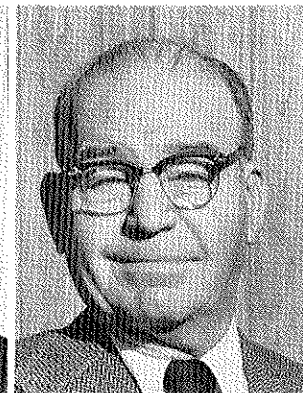
A gaseous diffusion plant requires many large valves to isolate sections of the plant. The new gate valve concept includes many features of older



Gorman



Hobbs



Gilliland

21 Years Of Service Concluded

Francis J. Gorman and Charles C. Hobbs retired under normal procedures March 1; Frank with over 21 years of service from Office Services and Charlie with the same years of service from Electrical Maintenance.

Warren P. Gilliland, also with 21 years of service, elected a disability retirement effective January 1 from Power Operations.

You're Responsible

Protection Essential

Recent incidents on plantsite have prompted a review of plant rules and regulations pertaining to the protection of U. S. Government property.

The following paragraph is quoted from Federal Law which governs all government property acquired or used by Goodyear Atomic Corporation in the performance of its contract with the Energy Research and Development Administration:

"The theft, embezzlement, misappropriation, or unlawful destruction of any property belonging to

the United States Government or being manufactured under contract for the Government, is a Federal violation, punishable by a maximum penalty of 10 years in prison and/or a fine of \$10,000."

"Misappropriation" includes misuse of items of equipment, e.g., use of tools and materials to fabricate items for personal use, etc.

"Property belonging to the U.S. Government" refers to all items purchased under the contract. This includes expendable items such as tools, towels, gloves, clothing, pencils, paper, envelopes, library books, etc. as well as capital items.

Each employe is responsible for assuring that all property of the Government is properly protected and its use limited to the necessary work in the fulfilling of GAT's obligations under the Contract with the Energy Research and Development Administration.

The theft, misuse, or destruction of government property is a serious offense against our government. Known violators will be promptly disciplined, including prosecution where warranted.

gate valves and incorporates several new features. The stem seal may find use if plug valves rather than gate valves are used in future gaseous diffusion plants.

Mr. Bobo has now assigned rights for four inventions to the government. Formal U.S. patent applications were made for both of his other inventions and a patent has been granted for one of these. The other is pending.

Tire Refund Totals Nearly Double In '75

A total of 239 employes from Goodyear Atomic collected \$3,189.53 in tire purchase refunds or change-overs in 1975. These figures compare with 134 participants in 1974 and \$1,517.44.

The 1975 grand totals in all domestic plants showed 14,806 participants who received \$195,783 in refunds or changed-over tires. In 1974 these figures were 12,894 participants and \$138,992.

Safety Award Boxscore
Annual Safety Award
Total Is \$6.50 After 7 Months
Lost Time Accident Free Periods
July 25 to November 25
Eye Injury
November 26 to December 1
Back Contusion
December 2 to February 18
Electrical Burn
IT'S UP TO YOU!

Under the Goodyear Tire Purchase Refund Program, employes and retirees are entitled to a 10 per cent refund for the new tires they buy, regardless of any special price that may be negotiated with a company store, dealer or tire center. Eligible tires include discontinued designs and blems.

Complete details about the program, including new vehicle change-over procedures, are spelled out in a leaflet available in your department or the personnel department.

Facts You Should Know

Basics Of Your Nuclear Industry

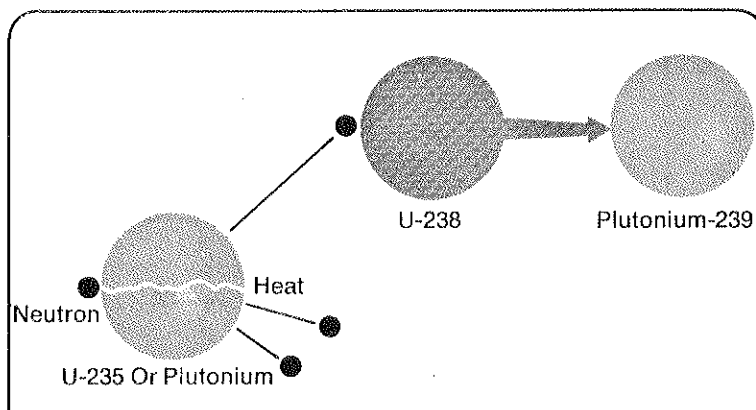
Recognizing the limitation on the supplies of uranium as described in last month's article, alternate fission concepts are being developed that will increase the utilization of uranium while stabilizing fuel costs. Breeder reactors, represented most prominently by the Liquid Metal Fast Breeder Reactor (LMFBR), promise to use 60% or more of the energy content of uranium compared to the present 1-2% with Light Water Reactors.

Let's look at the way uranium is used in today's reactors and in breeders.

THE BREEDING PROCESS

As discussed previously, when a uranium-235 atom is struck by a neutron (in a Light Water Reactor), it fissions. Materials such as uranium-235 which fission directly if struck by neutrons are called *fissile* materials. When a uranium-238 atom is struck by a neutron, it does not fission. Instead, it can absorb the neutron to become a new element, plutonium-239, which is a fissile material. Materials such as uranium-238 which are not fissile, but can be converted into fissile materials by capturing neutrons, are called *fertile* materials. Plutonium, like uranium-235, is a fuel for nuclear reactors.

Although some uranium-238 is converted to plutonium in Light Water Reactors, this process occurs inefficiently. In the LMFBR and other breeders, however, we begin with plutonium-239 instead of uranium-235 as the fuel, and the same conversion of uranium-238 takes place but more efficiently. In fact, more plutonium is produced than is consumed. The reason for this increase is that in reac-



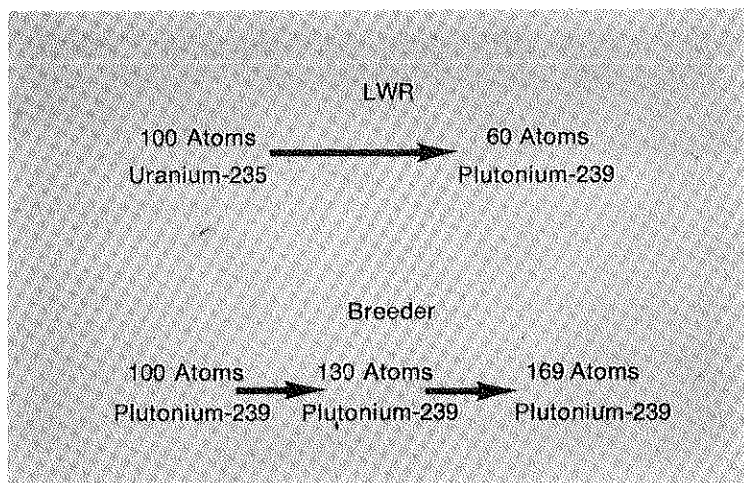
tors like the LMFBR, fast neutrons are used. Fast (high energy) neutrons are simply neutrons that have not been moderated, i.e., reduced in energy. Fast neutrons are desirable because they are captured by uranium-238 more efficiently than slow (thermal) neutrons, leading to a high conversion of uranium-238 to plutonium.

PLUTONIUM PRODUCTION

Shown here is the conversion process for LWRs. In this process, 100 atoms of uranium-235 produce only 60 atoms of plutonium. Thus, even if this plutonium is used as a fuel, new uranium-235 must be sup-

plied to supplement the net loss of fuel.

Breeders, however, are designed to convert uranium-238 to plutonium at a faster rate than the original plutonium fuel is consumed. For example, for every 100 atoms of plutonium fuel consumed, 130 new atoms of plutonium are produced from uranium-238. The 130 atoms of plutonium are produced from uranium-238. The 130 atoms of plutonium can in turn be used in a breeder to produce 169 new atoms of plutonium—and so on in a multiplication process. Thus, not only does each breeder produce enough fuel for itself, but it generates add-



ditional fuel for new reactors to meet expanding electrical energy needs.

REUSABLE FUEL

The significance of this transformation is that by efficiently converting uranium-238 into the useable fuel, plutonium-239, we can dramatically expand our utilization of natural uranium. The vast store of uranium-238 becomes available as fuel.

BREEDER OPERATION

This process begins with plutonium and uranium-238, and produces more plutonium than is consumed. The fission products, of course, are the result of the plutonium being fissioned. Thus, the uranium-238 is steadily depleted through conversion to plutonium.

THERMAL EFFICIENCY

Breeder reactors have other ad-

vantages—for example, waste heat is minimized.

The heat produced in a reactor or a fossil fuel plant cannot be completely converted into electricity. The fraction of the heat produced that is converted into electricity is called the *thermal efficiency*. For modern high temperature coal plants and breeder reactors, the thermal efficiency is about 40%.

ENERGY POTENTIAL OF URANIUM

Significantly, breeders based on a uranium/plutonium fuel cycle can use the uranium-238 tailings remaining from the light water reactor enrichment process and the uranium recovered from used light water reactor fuel. In fact, just the uranium already stockpiled, if used in a breeder such as the LMFBR, contains the energy equivalent of the total U.S. electrical energy requirements for up to a century. The United States' total high grade uranium supply could satisfy this Nation's electrical energy needs for several hundred years if used in breeder reactors. Thus, the breeder can assure both stable fuel costs and long term fuel supply. In addition, the breeder would drastically reduce the requirements for the mining, milling, and enrichment parts of the present light water reactor fuel cycle.

Classifieds

FOR SALE

1972 Olds Cutlass Supreme. Power steering & brakes, air, new radial tires, new brakes, black on black. Call Waverly 847-5990. Make offer.

1974 Ford Pickup 360 V-8 F-100 Std. Excellent condition. 16,000 miles. Call Piketon 947-2659 after 5:30 p.m.

1973 Pontiac Lemans Sport Coupe, 32,000 miles, 350 cu. in. 2 barrel. Power steering & brakes, air. \$2650.00. Call Portsmouth 353-0935...

George Archer Medalist Golf Clubs. Irons 1, 3, 5, 7, 9 and Putter. 1 and 3 woods. Also bag and playday cart. \$85 firm. Call 776-2678.

Those employes who wish to advertise items for sale may do so without charge though the Wingfoot Clan, Atomic Edition, by calling administrative telephone extension 2505.

1776 Replayed

George's Navy Was Sub Par

Though Congress officially created an American Navy in October, 1775, most of the sea action during the Revolution was in the hands of American privateers. By March, England was already feeling the effects of these colonial marauders. In all, Congress commissioned some 1,700 privately owned vessels (Massachusetts alone sent more than 600). These ships ranged in size to 500 tons and carried up to 20 guns and 100 men.

Of their effectiveness there can be no doubt. Throughout the war, they captured some 600 British ships and accounted for \$18,000,000 in prizes. Unfortunately, little of the plunder aided the war effort, as bounty was sold in European ports to the highest bidders. For his efforts, the privateer's risk was great—if a ship was captured, her crew was either killed or imprisoned.

During the Revolution, the British fleet was at the lowest point in its proud history. Its ships were in decay and disrepair; discipline was low and desertion high. Add to this, the penny-pinching policies of Lord North and the over-cautious Earl of Sandwich who kept British naval strength at home because he feared war with France—and you have the main reasons for the success of the American "Navy."

Bowling Tournaments Held

The Company team, singles, and doubles tournaments were held recently.

In the Women's Team Event, the Ten Pinners from the GAT Waverly Women's Tuesday Night League tallied a 2382 pin total. Members of the team are Maxine Thompson, Jean Ashbaugh, Mary Miller, and Karan Miller. Runner-up in the Women's team Tourney with a 2222 score were the Markers of the GAT Tuesday Night League at Portsmouth. Team members for the Markers are Phyllis Bowling, Alberta Welton, Joy Thompson and Sandi Morgan.

The Men's team title went to the Make-Ups who won out over the U-Name-Its, by a slim 8 pins, 2887 to 2879. Members of the winning team are: Jack Blaine, Tim Jayne, George Mustard, Bob Roe, and Bob Nance. Runner-up members are: Al Nelson, Ed Chamberlin, Elmo Flinders, Lou Donini, and Andy Ondera.

In the Women's Doubles, Edith Dewey and Pat Strickland took top honors with an 1199 total. Second place went to Faye Thompson and Dottie Brown with 1191.

In the Men's Doubles competition, Al Stone and Andy Ondera rolled 1212 to edge out runners-up, Terry

Acox and Dave Riepenhoff.

In the Women's Singles event, Jeanette Langford lead the pack with an impressive 670. Second place went to Jean Ashbaugh with a 625.

In the Men's Singles division, Quinn Snyder was the winner with 697 pins. Dave Riepenhoff finished second at 659.

The following GAT bowlers qualified to roll in the Company Championship Roll-Off scheduled for March 6 at Shawnee Lanes in Chillicothe:

- Jeanette Langford
- Lucille Lemaster
- Marge Ondera
- Nancy Wickline
- Jean Ashbaugh
- Dottie Brown
- Barbara Nelson
- Faye Thompson
- Gladys Gearhart
- Eileen Ward
- Joy Thompson
- Barbara Cooley
- Phyllis Bowling
- Barbara Cooper
- Eileen Kalb

Alternates:

- Marsha Stone
- Jean Blaine
- Phyllis Lallow
- Edith Dewey
- Rita Dobbins

- Gus Peltrey
- Al Nelson
- Andy Ondera
- Quinn Snyder
- Ed Chamberlin
- Walt Johnson
- Mike Bettasso
- Don Jessee
- Tim Jayne
- Bill Levier
- Dave Riepenhoff
- Elmo Flinders
- Bob Roe
- Frank Voss
- Dave Richter

Alternates:

- Bill Johnson
- John Thompson
- Lou Donini
- Bob Bush
- Cliff White

COST REDUCTION "I"DEA HONOR ROLL



Continuing in this issue of the *Clan*, employes having Cost Reduction "I"deas accepted are being recognized. The following are employes who had "I"deas accepted in January:

J. R. Armstrong	D-551
E. L. Davis	D-724
D. P. Goodman	D-720
B. Kalmon	Ret.
J. B. Manering	D-723
J. B. Merrill	D-712
K. F. Newton, Jr.	D-411
R. L. Newvahner	D-532
P. W. Remy	D-424
D. Ryan	D-210
R. E. Sargent	D-552

GT&R Reports Higher Earnings

(Continued from Page 1)

shareholder equity.

Capital expenditures in 1975 for modernization and expansion to provide for future growth were \$284.3 million increasing \$3 million over 1974, the Company reported.

The Goodyear Chairman said the year 1975 closed on a promising note for the Company, with the recovery of the auto industry being reflected in increased sales in that market.

Pilliod said this sales trend is carrying into early 1976 but he cautioned

that the current fast pace may already be reflecting to some degree hedge buying by customers against the possibility of a strike when industry-wide three-year labor contracts expire April 20.

He predicted that 1976 will definitely be the year in which radial tires of all types—steel, glass or flex-ten belted—will become the market's top sellers for the first time.

What do you know about cancer?

- 1 What is the best way to protect yourself against cancer?
 - A. Have annual checkups
 - B. Eat natural foods
 - C. Exercise daily
- 2 Which one of the following statements about breast cancer is true?
 - A. Breast cancers are the result of a blow
 - B. Birth control pills increase the chance of breast cancer
 - C. Most women discover their breast lumps themselves
- 3 Breast self-examination can help find cancer early when it is most curable. How often should a woman practice it?
 - A. Just before a visit to the doctor
 - B. Once a month
 - C. Whenever she feels like it
- 4 What percentage of breast lumps actually are cancerous?
 - A. About 90%
 - B. About 20%
 - C. About 50%
- 5 If breast cancer is detected and treated early before it has spread, what are the chances of being saved?
 - A. 85%
 - B. 45%
 - C. 25%
- 6 What helps save more older adults from cancer than any other procedure in a health checkup?
 - A. Proctoscopy
 - B. Chest X ray
 - C. Urinalysis
- 7 How many years longer can a man of 25, who has never smoked expect to live than a man of 25 who smokes 20 to 30 cigarettes a day?
 - A. 1 year
 - B. 3 years
 - C. 6½ years
- 8 Normally, if you stop cigarette smoking, actual benefits to the body will begin
 - A. Within six months
 - B. Almost immediately
 - C. After one year
- 9 Fewer women die of cancer of the cervix today because of what simple, quick test?
 - A. Tine test
 - B. Pap test
 - C. Rabbit test
- 10 What is your best every day protection against cancer?
 - A. Knowing the 7 warning signals
 - B. Jogging
 - C. Taking multi-vitamins

Answers: 1-A, 2-C, 3-B, 4-B, 5-A, 6-A, 7-C, 8-B, 9-B, 10-A
 Scoring: 8-10 excellent; 5-7 good; 0-4 study answers.

AMERICAN
 CANCER
 SOCIETY

Get An Annual Cancer Check-Up

Feeling healthy is fine, but *knowing* you're well after a medical examination, is the best feeling of all.

The periodic health examination is becoming more and more a part of our health delivery system. The American Cancer Society recommends one annually.

In the area of early detection of cancer, there can be no doubt that many lives have been saved because malignancy was diagnosed while localized before it had spread. Early and prompt treatment always enhances the patient's chances for survival and helps insure a normal productive life span.

According to the American Cancer Society, 84 per cent of breast

cancer patients live five years longer when the disease is diagnosed and treated early, but only 56 per cent in cases where the cancer has spread. For oral cancer, the five-year survival rate is 67 per cent compared to 30 per cent; colon-rectum, 71 per cent versus 43 per cent; larynx, 79 per cent compared to 38 per cent; uterus, 84 per cent as opposed to 44 per cent; and bladder, 71 per cent compared to 21 per cent.

The basic causes of cancer are still unknown, but there are ways to safeguard yourself from cancer. Post the seven warning signals of cancer in your medicine chest, and even if you have no warning signal—get that annual checkup.

Return Requested

Goodyear Atomic Corporation
 P. O. Box 628
 Piketon, Ohio 45661

PIKETON, OHIO
 BULK RATE
 U. S. Postage
 PAID
 Permit No. 11