



R. L. DUFFEY
ENGINEERING

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GAT Management Newsletter

GOODYEAR ATOMIC CORPORATION

a subsidiary of

THE GOODYEAR TIRE & RUBBER COMPANY

Editor - H. McClelland

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BECAUSE of some operational difficulties associated with low power levels and the tying in to the Don Marquis Station, we have a new Incremental Power Demand computer. It has been installed in the X-300 building, and because it indicates plant power usage every six minutes, it makes possible precise power load control. At the end of each hour, the equipment also prints, on two typewriters - one for each of our switchyards - the power flow and totals it. OVEC will get a copy for billing purposes. OVEC and Ohio Power paid almost \$21,000 of the \$76,000 cost.

NEW SALARY employees include: WILLIAM B. LYNCH, lab analyst, jr., D-552. Bill graduated from Chillicothe High School and has been working at the Mead Corporation since May, 1966. He and his wife, Victoria, have a 16-month old daughter. JERRI L. ZIMMERMAN, who was here as a summer employee, is back as a mail clerk, D-423. She graduated from Waverly High School. MRS. BETTY ZIMMERMAN, D-375, is her mother. PEGGY L. BELL is also a mail clerk in D-423. She graduated from Chillicothe High School, has been working at Glick's Furniture Company in Chillicothe since August, 1968.

SUCCESSFUL candidates in the November 4th election include the following GAT employees: G. H. REYNOLDS, Waverly School Board; M. E. CORYELL, Portsmouth Council; J. E. HARSHMAN, Waverly Council; A. W. ONDERA, Jackson Council; D. E. CALLAHAN, Wellston Council; E. C. BEASLEY, Valley Township trustee; R. RICKEY, Clay School Board; R. L. SMITH, D-711, Valley Local School Board; O. B. CUTLIP, Piketon Council; H. D. SMITH, Western Local School Board; C. C. ESTEP, Union Township trustee; F. A. CRUM, Minford School Board; J. W. KEESEE, Mifflin Township trustee; and H. L. GALLOWAY, one of 15 men (the only GAT employee) elected as Waverly Charter commissioners.

RECENT PROMOTIONS include: RONALD E. PARKER from Administrative Squad trainee to D-341 as cost accountant.

THE RECREATION DEPT., early next month, will again sell Goodyear's \$1 Christmas record. A notice will be sent to all employees after the records arrive. This year's edition (the ninth) features 11 artists and music groups that are new to the series. They are: Lena Horne, Vladimir Horowitz, Joan Sutherland, Richard Kiley, Petula Clark, Connie Francis, Lawrence Welk, Mantovani, the London Symphony, and the Roger Wagner Chorale with Erich Leinsdorf conducting. Bing Crosby is the only artist in this album who has been featured before.

MANAGEMENT NEWS---ON THE NATIONAL LEVEL

GOODYEAR AEROSPACE CORPORATION's Value Engineering program saved the U.S. Air Force \$2,628,579 in fiscal year 1969! GAC has been making cargo pallets for several years. They cost twice as much as pallets from another source but last seven times as long. After the VE study, improved manufacturing and handling methods were implemented; the number of lift and peel tests required were reduced without affecting performance; core material requirements were relaxed without compromising strength; forged ring assembly replaced machine assembly (before-17 pieces, after-5 pieces); 32 skin rivets were eliminated; rail extrusions were redesigned and made lighter without any reduction in strength. These things resulted in average price reduction of \$104.80 per pallet and the total dollar savings mentioned in the first sentence of this item. In addition, the weight of each pallet was reduced 13 pounds. This results in lower aircraft fuel consumption and an estimated further savings to the USAF of \$1,573,585.

THE COST of attending college has gone up 120 percent in the last 10 years.

MARTIN MARIETTA CORPORATION has a turnover rate among its engineers and scientists which, generally, is roughly one-third of that in the aerospace industry. This isn't an accident. A sharp eye is kept on the achievements of technical personnel and they get recognition. For example, the corporation holds an annual "Honors Night," an award banquet and program. There are divisional candidates for the titles of engineer of the year, inventor of the year, and author of the year. Wives of candidates accompany their husbands, and top management is always on hand. Winners receive cash awards up to \$1,500, and all candidates are given mementos such as engraved silver cups. The affair is given plenty of publicity in the local and area press, in the home town newspapers and alumni publications of award winners.

DID YOU KNOW that GAT taxis traveling inside the perimeter fence will carry about 100 passengers a day, and travel about 100 miles in doing it?

THE SAFETY director in a plant in Tulsa mounted 19 pairs of safety glasses on a board. Each pair had saved someone's sight. Some of the glasses still have a grinding wheel segment, molten metal, etc., lodged in them. The board is given credit, by the safety director, as having done more to sell eye safety in his company than anything else.

LATEST kitchen appliance is the "Baconer." It looks like a toaster but cooks bacon and thin meats. The cooking surface is completely enclosed, and the little machine is completely automatic, eliminating the need to watch or turn the bacon. Manufactured by Westinghouse, it is scheduled for national distribution before Christmas.

THE COST of higher fire insurance premiums because of fires caused by cigarettes is put at more than a billion dollars a year.

THE NATIONAL SCIENCE FOUNDATION has completed a $1\frac{1}{2}$ -year study in which they tracked down the way in which several major innovations came about. Contrary to some widely held beliefs, they found that innovation follows a pattern. Furthermore, the pattern is clearly discernible at the time of conception (defined as the first clear concept of a product or process). This leads to an interesting hypothesis. In any R&D project, it should be possible to make some realistic judgments about where it stands and when it might be completed--plus what needs to be done to finish the project ahead of time--by running a historical tracing and then extrapolating the results. More on this subject can be found in the September 15th issue of MACHINE DESIGN.

SIGN OF THE TIMES: The Maryland League for savings associations is going to hold a seminar on "Hold-ups."

THE EXECUTIVE V.P. of the Steelcraft Manufacturing Company recommends the value of making an engineer or some member of first-line management "Mr. Big" for a day. For example, an engineer (at Steelcraft) and his wife were told that the v.p. wanted them to take an important distributor and his wife out and show them a good time at the company's expense. The two couples had a wonderful time and it gave both the employee and his wife a new incentive for achievement and success.

TO INDUCE EMPLOYEES to "Quit Smoking," a new incentive program has been developed and instituted by several companies. It is a "No Smoking Bonus" payable at vacation time.

GRUMAN AIRCRAFT Engineering Corporation interviewed 61 employees and selected 26 for a "cram" programming course. They went to school for eight hours a day, five days a week, plus study in the evenings. It worked. Nineteen became programmers in just six weeks.

BE THANKFUL for the troubles of your job. They provide about half your income. Because if it were not for the things that go wrong, the difficult people you have to deal with, and the problems and unpleasantness of your working day, someone could be found to handle your job for half of what you are being paid. It takes intelligence, resourcefulness, patience, tact and courage to meet the troubles of any job. That is why you hold your present job. And it may be the reason you aren't holding down an even bigger one. If all of us would start to look for more troubles, and learn to handle them cheerfully and with good judgment, as opportunities rather than irritations, we would find ourselves getting ahead at a surprising rate. For it is a fact that there are plenty of big jobs waiting for men and women who aren't afraid of the troubles connected with them.

--Robert R. Updegraff

I TOLD MY BOSS a thing or two; I really made him squirm. Now he's a different man, I'm sure, and I'm with a different firm.

--Dr. William Levy

IN 1943, the U.S. Army conducted a study to see how well people listen or comprehend what they hear. Not enough publicity has been given to the fact they found that after the first five minutes of the average speech the rate of comprehension decreased to 10% of the message. A half-hour later, the same comprehension had gone down to 1%. Over the years since that study was made we have learned a number of ways to improve comprehension; but, most speakers continue to use the "spray and pray" method and, whether they realize it or not, get the same results the Army researchers reported 26 years ago.

--Robert F. Mager

CREDIT cards cause most of us to live in an IOUtopia.

--Bert Bacharach

TO LAUGH OFTEN; to win the respect of intelligent people and the affection of children; to earn the appreciation of honest critics and endure the betrayal of false friends; to appreciate beauty; to find the best in others; to leave the world a bit better, whether by a healthy child, a garden patch or a redeemed social condition; to know even one person is better off because you lived. This is to have succeeded.

--Contributed by Phyllis Bowling

I STRONGLY BELIEVE that the managerial need of the 1970's will be for men who have entrepreneurial spirit and energy; who are innovative; who have the capacity for translating ideas and discoveries into action; who are both receptive to change and initiators of change; who have a high tolerance for ambiguity and uncertainty; who have the will to risk.

--H.W. Johnson, President, M.I.T.

GRANDMA may have had it rough in the days of long ago, but she never wore a miniskirt when the temperature was ten below.

--H. Albright

WE ARE NOW at a point where we need to re-think the fundamental relationship of knowledge to power, of science to politics, in our society. We can no longer put together Jeffersonian optimism about the liberating effect of science with Jacksonian optimism about the universal competence of the average citizen, and make the combination work in an era of relativity, existentialism, and the prophesies of a psychedelic paradise.

--Don K. Price, Harvard University

I THINK nudity on the stage is disgusting, shameful and damaging to all things American... If I were 22 with a great body, it would be artistic, tasteful and patriotic.

--Shelley Winters (actress)

THANKSGIVING is the traditional time of year to be thankful for all the good things you have. Remember the little essays you had to write in school titled "What I Have To Be Thankful For?" You wracked your brains and tried to think of more neat things to put on your list than anyone else in the class. But "good" things are really only part of the list. You never stop learning, and the earth's whole population is your class now. Your classroom is the entire globe. Whatever makes you think, whatever keeps you growing, whatever gives you a new idea, whatever contributes to your awareness of yourself and the world, whatever pushes back your horizons, is something to be thankful for. Objective and realistic persons would find all kinds of things appearing on their Thankful-For lists that might not seem so great at first, but actually made their lives better in the long run. Are you one of these persons? If you are, add yourself to your list. On the "good" side.

--Along these lines (published by the Columbus and Southern Ohio Electric Company)

WHO'S WHO IN MANAGEMENT

WARREN L. RODGERS, foreman of D-711, Electrical Maintenance, directs nine hourly employees in the maintenance of the 530 and 533 switchyards and the 630, 633, 608 and 611 pump houses, as well as the electrical systems in outside warehouses. He reports to Q. ENGLAND, supervisor.

Mr. Rodgers graduated from Dale High School in Johnstown, Pa. He then became an apprentice at the Bethlehem Steel Company (with them 10 yrs.) and as a part of that program took an International Correspondence Schools course on motors, armature winding and electricity. He has also completed a 120-lesson course in electronics from the Massey Technical Institute. During World War II, he served as electrician's mate, 2nd class, for three years. He was hired at GAT as a foreman.



Warren, his wife, Rita, a daughter, Mrs. Susan Snyder (19) (living with them while her husband serves in the Army), and sons, Daniel (17), and Patrick (13), live at 712 Sherman Road in Chillicothe. They are members of St. Mary's Church and Warren serves on the Parrish Council, and is a member of the Knights of Columbus.

GAT NAMES AND FACES IN THE NEWS



V. McDONALD



DR. F. E. WOLTZ



B. HARRIS



R. I. KAPLAN



A. J. BLAIR

VIRGINIA McDONALD spoke to the B.O.E. students at Clay High School on October 30. She described secretarial procedure at GAT and answered questions.

DR. FRANK E. WOLTZ spoke to the Student Section of American Nuclear Society at the University of Cincinnati on November 7. His topic was "The Production of U-235." Note: Frank reports that the 35 students present asked so many questions that the meeting took 2-1/2 hours.

BERNARD HARRIS, a member of this year's Administrative Squad, participated in a Career Day program for more than 1,200 city and county Juniors at Chillicothe High School on November 11. Bernard was a member of a panel on University and College Information.

ROY I. KAPLAN, D-521, is co-author of a paper entitled "Complexes of Cationic Dithiocarbamate Ligands" which is in the November issue of INORGANIC CHEMISTRY.

ALEX J. BLAIR was the featured speaker for the annual Veterans Day program at Jackson High School on November 11. Alex spoke during an assembly in the auditorium to which all the students, teachers and other interested adults were invited.