

Help wanted: employees to fill high-tech jobs

"Sometime during the 1980s, electronics will become a \$400 billion business, the largest ever created on the planet."

So declared John Naisbitt in his runaway best seller "Megatrends." Given this forecast, it is not surprising engineering schools at Massachusetts

Area psychiatrists back seat belt use

Citing "catastrophic consequences" to mental health of injuries or deaths caused by automobile accidents, the Michigan Psychiatric Society (MPS) has urged the Michigan Legislature to enact the pending mandatory seat belt law.

"The mental health benefits of seat belt use have been largely ignored in the debate on this bill," said Dr. Melvin Reinhardt, president of the 900-member MPS.

"As physicians and citizens, we support the legislation, especially when we look at the positive history of a similar law in neighboring Ontario. We are especially concerned about the emotional impact of preventable automobile tragedies on surviving accident victims, their families and the families of those who do not survive," Reinhardt said.

"WE'RE NOT just talking about the civil liberties of the driver, but about the driver's responsibilities for his or her family and for everyone riding in the car," said Dr. Cassandra Klyman of Bloomfield Hills.

Klyman, who has treated the survivors of auto mishaps in which seat belts were not in use, observed that drivers whose passengers were killed or disabled carry permanent emotional scars.

"I cannot tell you how much agony a paraplegic suffers for life because of a thoughtless moment. And those who could have insisted that everyone in the car use seat belts suffer deeply, too," Klyman said.

"When there's a death or disabling injury from failure to wear seat belts, it can be a serious family problem," said Dr. Joseph Fischhoff, director of Psychiatric Services at Children's Hospital in Detroit.

"Parents never forgive themselves

for not buckling up their young children. The children cannot forgive them either. The regrets and the guilt are catastrophic," Dr. Fischhoff said.

"SOMETIMES I have had to tell passengers in my own car to buckle up for me, even if they don't want to for themselves, because if they don't, the car won't move," said Dr. Emanuel Tanay of Detroit.

Tanay recalled that when he purchased his first car in 1953, he picked up some belts from an aviation supplier and had a service station install a metal brace in the frame to serve as the anchor.

In urging passage of HB 5303, MPS also took note of the physical pain and suffering, some of it permanent, that results from the failure to use seat belts.

Closed-head injuries are among the most severe consequences of such accidents, according to a recent report from the American Automobile Association. The report showed that about 500 state residents suffer closed-head injuries in automobile mishaps each year; up to 90 percent of which could be prevented by seat belt use.

Average acute-care and treatment expenses amount to \$52,500, according to the AAA report. Inpatient rehabilitation can cost an average \$50,000 per year, while outpatient costs, beyond those involved in equipment and home modification, average more than \$10,000 annually.

"THE STAGGERING costs of treatment and rehabilitation are another element in the mental anguish resulting from the failure to use seat belts at all times," said Dr. Linda Logsdon of Southfield.



high tech
Ronald R. Watcke

sets Institute of Technology and the University of Michigan have a disproportionate number of students enrolled in computer science and electrical engineering programs.

Some of the largest enrollments in technical programs at community colleges are also in electronics and computer data processing.

In 1981 the U.S. Bureau of Labor Statistics forecasted that by the end of this decade, employment for data processing machine mechanics will increase between 146 and 173 percent, or 172,000 jobs nationwide.

In addition, computer systems analysts will increase 108-123 percent; computer operators, 88-101 percent; office machine and cash register servicers, 81-95 percent; and computer programmers, 74-87 percent.

MANY EMERGING occupations in high technology fields are also being identified. Simply stated, an emerging occupation is one that no one used to work at, a few people work at now, and lots of people will work at soon.

In their recent book, "Encounters with the Future: A Forecast of Life into the 21st Century," Marvin Cetron and Thomas O'Toole anticipate that the following high-tech occupations will become increasingly important and forecast the total number of U.S. jobs for each category in 1990:

- Energy technician — 1.5 million jobs
- Hazardous waste management technician — 1.5 million
- Industrial laser process technician — 2.5 million

- Industrial robot production technician — 1.5 million
- Materials utilization technician — 500,000
- Genetic engineering technician — 150,000
- Holographic inspection specialist — 200,000
- Bionic-electronic technician — 200,000
- Battery technician — 250,000

Some may take issue with these predictions, but even if the numbers are inflated, the employment future for these occupations does look very promising.

ADDITIONAL emerging occupations were identified in the recent supplement to the U.S. Department of Labor's Dictionary of Occupational Titles (DOT).

To name a few, the DOT supplement included: Chemical-radiation technician, computer-assisted drafter, satellite-instruction facilitator, software technician and word-processing machine operator.

Ronald Kutcher of the U.S. Bureau of Labor Statistics notes too much emphasis is placed on emerging ca-

reers. He feels it "can cloud your vision of the job market."

Kutcher also maintained that people interested in job training should focus more on the short-term than emerging careers. "It doesn't help to train someone now for a job that will be available in 2010," he said.

IF YOU ARE looking toward that year and beyond, then Norman Feingold has just the book for you. Feingold, president of National Career and Counseling Services, recently wrote "Emerging Careers: New Occupations for the Year 2000 and Beyond."

His report on more than 100 emerging careers included some which were high-technology related. These included: artificial intelligence technician, aquaculturist, bionic electronic technician, cryogenic technician and asteroid or lunar miner.

Next week's column will review and comment on several high-tech training and education programs in southeast Michigan.

A Troy resident, Dr. Watcke is dean of liberal arts at Wayne County Community College.

50% Off!

ONEIDA STAINLESS

5-Place Place Settings

It's smart to start with the best... especially when you are planning stainless steelware purchases. For years of dining pleasure, choose Oneida! (Picture shown: Michelangelo, Paul Revere, Dover, Plymouth Rock, Lakewood, Stratford, Chateau). 1,500 units, all sizes. When choosing Oneida, check out our SPECIAL PRICING.

YANKEE PEDDLER

EASTLAND MALL 271-1100 LAKESIDE 247-8111	LIVONIA 922-1850 WESTLAND 721-5410 Cherry Hill & Westland	BRIARWOOD 781-1022 TWELVE OAKS 349-8080	FARM LANE 555-6208 SOUTHFIELD 357-2122 Tux Plaza
---	---	--	--

HUMAN-US BEEN HAD-US

(Frequently found in and around Computer Stores.)

Conducted by Salesperson
bought ready-to-run MICRO STATION in Software.

Some features not from
one-to-one MICRO STATION has a large selection of software, books, magazines and accessories.

Intelligent Information.
Expert Advice. A Large Selection of Software, Books, Magazines, and Accessories for Business, Fun, and Education. MICRO STATION the better way to buy computer software.

micro station

24484 W. Ten Mile
Southfield, MI 48037
(313) 358-5820

HOLIDAY HOURS
Mon., Tues., Wed., Fri. 10-7
Thurs. 10-9
Sat. 10-5
VISA, MC, AM, EX, P.O.'s

SPECIAL: 1UPN'TILE
Reg. \$29.95
\$18.95

Pick a cherry for under your tree.

\$319.00

\$249.00

\$159.00

\$599.00

\$549.00

Handsomely solid cherry furniture, specially-priced for Christmas.

This Christmas, put something special under the tree... beautifully-carved solid cherry furniture from Wiggs. Each piece features the carefully hand-crafted detail and fine hand-rubbed finish that'll be admired and appreciated... all year long. The Cherry Collection from Wiggs. It's special, at right. And it's specially-priced for holiday gift giving, now through Christmas.

Spend your winter at

Wiggs

MasterCard, Visa, Wiggs charge

4080 Telegraph Road
Bloomfield Hills, MI 48301
644-7370

Hours: Mon., Thurs. 9:30-5:30
Tues., Wed., Sat. 9:30-5:30

ROLEX

AUTHORIZED SALES AND SERVICE

GREENSTONE'S

Creators of Fine Jewelry for Over 55 Years
528 N. Woodward Ave. • Birmingham
(313) 642-2650 • Mon-Sat: 9:30-5:30
Major Credit Cards

Blizzard Ski School

LEARN TO SKI PROGRAMS FOR CHILDREN AGES 7-17

As surely as snowflakes follow red-tinted leaves, another ski season is about to begin! Each year there are countless young people in our area who would like to learn to ski — or to progress more rapidly than is possible on occasional trips to local areas. For them land in such respects for their parents, too, we have founded the Blizzard Ski School. This is a completely supervised program designed to teach youngsters to ski safely and correctly — to help them become proficient and even polished, as they enjoy winter fun out-of-doors.

- 12 SCHEDULED SATURDAY TRIPS • PROFESSIONAL SKI LESSONS EVERY SATURDAY
- FULLY SUPERVISED BUS TRANSPORTATION EVERY SATURDAY

JOIN TODAY!

CLIP AND MAIL

APPLICATION FOR MEMBERSHIP — 1983/1984 SKI SEASON

PLEASE PRINT NAME OF PARENT OR GUARDIAN _____ HOME PHONE _____

ADDRESS CITY, STATE & ZIP _____

1. NAME OF CHILD _____ AGE _____ 2. NAME OF CHILD _____ AGE _____

3. NAME OF CHILD _____ AGE _____ 4. NAME OF CHILD _____ AGE _____

☐ REGULAR MEMBERSHIP — CHILDREN 9-17 FIRST MEMBER \$80.00.
ALL OTHERS IN FAMILY \$70.00 EACH.

☐ MINI BLIZZARD — CHILDREN 7-8 \$50.00 EACH MEMBER

MEMBERSHIP FEE DOES NOT INCLUDE SATURDAY TRIP COSTS

PLEASE MAIL CHECK PAYABLE TO BLIZZARD SKI SCHOOL
BOX 631 • BLOOMFIELD HILLS, MI 48303-0631

— ANY QUESTIONS, MORE INFO CALL 642-1289 —