## the business beat

# **Engineers Paid In School**

covery and innovation intoday's engineering.

That, in a nutshell, is the reason for the dramatic growth reason for the dramatic growth or "continuing education, of course, is not the only way the engineer can d'acep up" with technological advances, but it usually is the best single means. There is any properties of the desired of the

Among today's practiting engineers, getting paid to go to school is not only popular but also necessary. Unless thay get new know ledge, half of their technicacy may become obsolete in five years-such is the pace of discovery and innovation intoday's engineering.

THIS IS REFLECTED in the THIS IS REFLECTED in the variety and level of some 60 courses and programs offered each year at U-M, Some of them are introductory, some advanced, Some lean more toward theory, others toward application,

was fluished in 1967.
All rooms in the center designed for conterences and
classes, including a 300-seal
auditorium, have television and
audio oudlest linked to a cental
control room. This enables a
group anywhere in the building
to tune in on a lecture being
tyme in another room, or to be
a video-taped demonstration rum
for them. for them,

Students come from all 50 states and a number of foreign countries. During 1988, states which sent more than 150 each included Michigan, Ohlo, Maryland, California, Virginia and New York.

Of the total of 2,500 students during 1968, some 1,200 came from private firms, 800 from government agencies, and 500 from educational or non profit

# Tax Reform Bill Called Body Blow To Housing Sales

The tax reform Nill now being considered by the U.S. Senate will result in a building slow-down and higher rents, a Uwr real estate authority says.

Prof. Karl G. Pearson of the U-M Graduate School of Maninistration, diversion of the Wingdala Realiston of the Wingdala Realiston.

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He called the proposal legistation of the Wingdala Realists and the Wingdala Realis GEORGE H. JOHNSON of 1471 Woodland Place, Plymouth, has been named project manager in the central office manufacturing department of Chewofet Motor Division, with responsibilities for Chevrolet assembly plants at Lordstown and Norwood, Chico. He will coordinate assembly plants for Chevrolet's new small car, the division's truck program and the new Camaro scheduled for introduction in early 1870.

"PARTICULARLY MARDINT WILL be government programs to involve private investors in low- and moderate-income housing. The tax benefits now are a prime source of profit to private investors under these programs."

Pearson pointed out that tax savings now account for from one-third to one-half of a building owner's return on investment. "PARTICULARLY HARD HIT
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be less attractive to builders," he explained, "as they will be less able to shield their home-

### Storm Honored CHARLES S. BROOKS of By Sales Chief

CHARLES S. BROOKS of 19928 Brentwood. Livonia, head of a new Detroit-area general agency of National Life Insurance Co. of Vermont, attended a management seminar for a group of the firm's field executives. He firm's field executives. He and h wife have three sons. Brc a continues with officers in continues with officers in contribuled where he has been a life insurance broker and assistant agency man ager in addition, he will be directing aloes and services to his agency's clients and will work with clients and will work will such with a gency's clients and will work with a gency of the provided will work with a gency of the will be will be with the will be with the will be with the will be will be with the will be wi

## Spring Plant Earnings Up

their fields,
Some students, for instance,
come simply to familiarize
themeselves with a new development. Some must present
a comprehensive report to their
supervisors, and others conduct
seminars for people in their
organizations,
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other expenses. So the bose back home expects this (continuing education) to be a highly efficient process."

Motivation is no problem to continuing education, carroll noted, Most of the students are past 30, and many are tops in



ROBERT B. ALFATHER of Livonia has been appointed manager of industrial and facilities engineering for Key International, Inc. of Detroit. Alfather and his wife have two children. He has 15 years diversified experience in manufacturing and processing of metal products and secondary metals, the Key International specialty.

# Burroughs Earnings Up 29 Pct.

Burroughs Corp, which has a plant in Plymouth, has reported that indicated net operating earnings for the nine months ending Sept. 30 increased 29 per cent over the 1968 nine-month period.

Ray W. Macdonald, president of Burroughs Corp. reported net operating earnings for the nine months period were \$30,242,000, which compares with the 1968 net operating earnings of \$23,400,000 for the same period.

Net earnings per share were \$1,83 based on 16,535,606 av-erage shares outstanding, com-pared with \$1,43 per share last year on 16,414,988 average shares outstanding.

Estimated United States and foreign income taxes for the nine months were \$31,980,000, compared with \$23,400,000 in 1968.

in 1958.
Revenue for the nine month period totaled \$517,229,000, a 15 per cent increase compared with \$450,097,000 in the 1958 period.

period.

THIRD QUARTER net earnings were \$9,577,000, a 25 per cent increase over the 1968 the 197,654,000 for the 197,654,000

ter were \$165,931,000, a 10 per cent increase compared with last year's third quarter of \$150,887,000.

of \$150,847,000.
Macdetald said that total worldwide incoming orders for the first, into months were 12 per cent above the same period iast year. Commarcial product orders showed an increase of 20 per cent over the same period last year.
Orders for government construct custom products declined 42 per cent from last year's nine-month position.

# ★ Manager Trainee ★

A subsidiary of ITT is searching for a career-minded high school grad or equivalent to engage in a two year training program designed to qualify applicant for MANAGEMENT

# 

## observing sports

When the World Series has passed and the two big dailies start putting out special sections devoted to skiing and snowmobiling, you know that winter is just around the corner.

Heck, wasn't it Wednesday morning that in the Detroit met there was a headline: "Oh, Boy, Snowy Season is Near" ... and before the morning was over there were snow drops coming down?

And, wasn't it the same day that at the weekly meeting of the Detroit Sports Broadcasters Association a pretty young lady shows up and she's introduced as Penny Pitou, a silver skiing medalist in the Olympics?

You now nave to know it's that time of the year when the chilly weather with the snow has to be in the immediate offing.

Miss Pitou arises to talk about the Ski Show this weekend at the Light Guard Armory on East Eight Mile Road in Detroit ... and then at the same session a gentleman arises to talk about the snowmobile show which also is in session in Detroit, but at the Artillery Armory, located on West Eight Mile Road.

MISS PITOU POINTS OUT how skiing has be-come perhaps the fast-growing sport in the country. Her "rival" argues that snowmobiling is making faster headway than anything else.

No sense getting into a fight, especially when a young lady is involved ... so, the best thing to say is that between skiing and snowmobiling you have two activities which are spreading like mad.

They have become multi-million dollar industries with the number of enthusiasts rising by the hundreds and thousands every year.

In Michigan, for example, there are more than 80 ski centers and several are located within an hour's drive of the Greater Detroit area. In fact, from the Livonia district, you can hit a few of the ski centers in 35 minutes without breaking any speed laws. hour's drive of the Greater Detroit area. In fact, from the Livonia district, you can hit a few of the ski centers in 35 minutes without breaking any speed laws.

SNOWMOBILING IS SLIGHTLY more expensive and you probably have to go a little farther to But the "beauty" of both skiing and snowmobiling is:

In Bis:

1. Both are outdoor sports and you can get yourself a lot of fresh air, which is good for one.

2. They are "truly" family sports ... a pop an mom can take the kids along and every-body can have fun.

3. Perhaps, most important, they are truly participation sports for 99 per cent of the people. The ski bug wants to ski. He usually doesn't care about watching somebody else.

The two shows, running opposite each other along Eight Mile Road, truly tell the story of how skiing and snowmobiling have boomed in popularity. Here's your chance to see that the skiier really has to invest in more than a pair-of-runners (or skis)

The clothing required is equally important. Heck, you need special shoes ... special jackets, special hats ... special pants ... and what have you.

IT'S THE SAME WAY in snowmobiling. The average price of a machine itself is around \$1,000. But before you get yourself a trailer and all the proper clothing gear, the investment has jumped accepter \$300.

another \$500.

Those who ski or snowmobile — very few go in for both (the fact is that one lot dislikes the other) — will tell you that the cost is very worth while.

To us one of the most exciting moments we ever have experienced was being driven to a ski center in Traverse City several years ago.

center in traverse City several years ago.

It was a cold, brisk day. The temperature was down around zero. Maybe below.

But nobody really cared. There were hundreds of youngsters and adults rolling merrily along on their skis. They ranged upwards from a couple years of age ... up until grandpas and great-grandpas in their 70's.

SO, IF YOU HAVE an urge to try something different, why not give a thought to skiing or snowmo-

biling? Visit either one of the shows over the weekend.

Perhaps, after you have, you'll realize that if you're looking for a way to spread "togetherness" within the family, if you're looking for something all of you can do and enjoy at the same time ... it might come from either sking or snowmobiling.

From what we saw and heard at the broadcast

From what we saw and heard at the broadcasters luncheon, we might be more tempted to visit the

■ You've been unkind to someone very important to you: You. ■ By not joining Triple-A, you've deprived yourself of expert travet service. Money Back on Exchange car insurance. Low cost car, snowmbble and camper insurance and financing. Emergency Road Service. Personal accident insurance. Motor News Magazine. World-Wide Travel Service. And \$5,000 Bail Bond Protection. ■ It's time you started being kinder to yourself. Join Triple-A, Today.

Toulvebeen



Michigan lost one of its most dedicated bowling officials dur-ing the past week with the death of Otto Auch, a real booster and competitor for the past quarter of a century

of Otto Auch, a real booster and competitor for the past quarter of a century.

A victim of cancer, he died Saturday at the age of 70.

Starting as an official of the Lutheran League, he climbed the official hodge until he became president of the Detroit Bowling Association, in 1947-1950 and 1950 an

RITA MODZELEWSKI, well-imove throughout Observerland as one of the All-Stars, rolled her way into the Top Ten in the nation Wednesday night. Bowling with the Redirof Sup-plies team in the Laddes Major League, she put together games of 255, 245 and 222 for 722. This is a high for the league this year as the former mark period of the period of the thing took on opening sight, High in the nation is a 740 rolled by Mary Marioletta in New York, Among the other high scores

DICK BEATTIE, Observerland's best southpaw bowler,
now has the distinction of leading,
has the distinction of leading,
has the distinction of leading,
has a two ender and with a
land of the list in
the Classic at Wooderland with a
Westland with a 22.
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westland. He started in great
westland with a 250 and 260
for a 850 series, while Huybornel
or a 850 series
or a 850 seri

on 669.

ONE OF THE highest scores of the week was contributed by Jerry Holt in the Senior House League at Westland, He opened with a 222, followed with 208 and closed with 255 for 669. Jim Dishong, who was the individual leader last week, landed second with 078 on games of 167, 240 and 268.

Meanwhile Mabel Southerland, a Westland housewife, set a new high for the season in the Ladies Classic with games of 213, 194 and 204 for 611.

### 65 Hunters Arrested In Crackdown

On one recent day, officers in the southeastern Michigan region arrested 65 hunters-30 for shooting prior to 7 a.m. or after 5:25 p.m.: seven for being game hogs; nine for using unplugged guns, six for hunting from motorboats and the others for such miscellaneus offenses as killing-about 10 femiliary for the form of neous offenses as killing pheas-ants out of season to littering.

THE SEMI-PROS in the Civic League at Livonia Lanes fashioned one of the oddities of the season when a single pin separated each of the five men on the team.

Woody Whitehead had a 142

Woody Whitehead had a 14z to lead off. Then came Jerry Dyke with 143, Dick Castle with 144, Bruce Woodfort 145 and Bob Acton with 146.

This is the first game of its kind ever reported to the Greater Detroit Bowling Association.

Association.

TERRYY TERZYK continues to set the pace in the Willrivind League at Livonia. He posted a 229 filis week to boost this lead in the averages and now boasts a 209 average.

Ralph Berry took single game scoring honors in the Iron Workers circuit with a 230.

SANDY FINKELSTEIN, who carries a 168 average in the St. Midshael's League at Garden Lanes, had the best night of this carreer during the past week. Opening with a 251 he added games of 219 and 210 for a 500 series.

games of 219 and 210 for a 690 series.

Irene Blumalsohit her season high in the Friday Ladies Classic with a 620 series that included a 265 game. Mary Mohacal set the pace with a 666. In the Garden Classic Mike Teschner was high man with a 652, while George Johnson pugled a 643 and 101k Machela Jakahloned a 650.

RICHARD BRANDEBURG was the high man of the week at Merri-Bowl. He earned the role with a 289 in the Senior House . . .

MARY DONOHUE with a 223 in 526, was the pacemaker in the Plymouth Rocks circuit at May-flower Lanes. She had a seven-pin edge on Dorothy Pond who posted a 229 in 519.

posted a 229 in 519.
George Sessenden showed the way in the Senior House League with 649.

JEAN BEMBECK turned in the

JUST A REMINDER, the



By MARVIN KEMP

Some people like the quite rough texture of plaster walls and some can't quite get used to them. They may be pretty proves to be a dust catcher. They can be painted. With a sander, grind off all the sander, grind and the sander, grind and the sander s

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Cutting Division of Helm,
Inc., a Detroit-based graphic
arts firm, succeeding the
retiring Lee Ogur, Previous
Iy a member of the sales
staff, Kennedy has a master's degree in education
and administration from
Michigan State University
and is a member of the abvisory board of the Michigan Corrections Commision.



ROBERT E. PEGG of 35341 Richland, Livonia, has been named manager of Ford Motor Co.'s Detroit Supply and Central Parts Depot in Birm-ingham. He was formerly wholesale goods distribu-tion manager.

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MONDAY THROUGH THURSDAY

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