'Solunar' theory explains the fish that got away

The effect of sun and moon on fishing success was first questioned about 50 years ago by John Alden Knight, a writer and sportsman who observed that periods of high fish activity coincided with the relative positions of the sun and moon.

His subsequent research developed the "solunar" theory, and earned him many ardent followers plus an equally devoted group of disbelievers who thought Knight was a bit looney.

The solunar theory is of interest to fishermen today because much of what Knight proposed has proven to be accurate.

Although the theory is complex, fishing experts explain that it is basically a relationship between major fish activity periods and times when the sun and moon have their greatest gravitational influence upon earth.

Knight found that major periods (thus feeding times) for freshwater and saltwater fish occurred daily when the sun and moon were in alignment with the earth.

This occurs twice a day, when the moon is directly overhead and again when it is directly underfoot.

Called "moon up" and "moon down," these periods cycle ahead approximately 51 minutes each day.

Minor activity periods occur about halfway between. Other times are termed "rest" periods.

Fishermen who want to study the solunar therory should consult a local library for further information.

There is published annually a set of solunar tables which purport to show the daily major and minor activity periods for North American based upon the work done by John Alden Knight.

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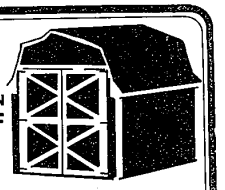

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Only the quick thinking of three girls saved the life of Rose Hale, a member of the women's bowling league, Thursday afternoon at Westland Bowl.

As she was finishing the ninth frame of her final game, Rose suffered a heart attack and slumped on the bench.

Quickly, Kathy Lamoreaux, Ruby O'Brien and Janet Breithaupt rushed to her side and treated her until the emergency squad of the Westland Fire Department arrived.

They were quick to admit that it was the work of the three girls that saved Rose's life in the most dramatic moment of the bowling season.

IN THE CALMER moments, the ladies did some fine bowling in the Westland Bowl leagues. Betty Hoerner used a 234 middle game to register a 647 and lead the women's classic. Her closest rival was Judy Whalen with 602.

In the Coffee and Donuts league, Jan Elliott showed the way with a 615, while Sue Zboyan, a 131 average bowler, landed second with 584.

In the Monday men's league, Bob Grenier was tops with a 266 in 649 that gave him a 10-pin lead over Grant Meiswinter, who opened with a 225 in 639.

THERE WAS only one 700 series in the Wonderland Classic, and that was the work of Marv Holly. To break the barrier, he put together games of 277, 247 and 205 for 729.

Wes La Palme landed second with a 689.

Bowling as a substitute, Ann Setlock, day manager of Garden Lanes, paced the ladies classic with a 613 on games of 210, 160 and 243. This was 13 pins better than Marge Piepei, who placed second with 600.

THE PINBUSTERS put on another high scoring performance at Plaza Lanes. When the final pin fell, Jeff Newsom had the thrill of his life by registering a 729 series that came on games of 246, 267 and 216.

Close behind came Jerry Cole, who also broke the 700 barrier with counts of 226, 227 and 258 for 711.

Among the other high scorers were Bill Roback with 694, Don Rousseau with 689, Craig Linton with 663, Joe Barbee with 653 and Dennis Seeman with 652.

On the women's side, Bev Dennis showed the way in the Early Bird league with a closing 225 for 608, and Judy Nance was high among the Good Timers with 652.

FRANK ZAIEEL used a 267 game to earn top place in the junior house league at Merri-Bowl with 657. Other high games in the league included a 254 by Gordon Hutchinson and a 253 by Jeff Massisco.

In the Wednesday Mixed league, Will Griffith showed the way with a 624.

IN OTHER GOOD PERFORMANCES, Ed Gurney had a 218 in 528 and Frank Surchak a 223 in 535 at Woodland Lanes. Vicki Skeels paced the Disco Dolls at Super Bowl with 545, and in the 700-800 league, Bill Presmell was consistent with counts of 200, 202 and 204

In the monthly Canton Classic, Bob Lifsy beat Stave Canton 202-196.

Tim Smith survived a great duel with Cory Nasser to pace the Bel-Aire Classic by one pin with a 691 series. Cory closed with 267, but it was in vain.

Dave Hamilton rolled a 279 to take high game.

And among the oddities, Mary Petroff, a 161-average bowler, posted a 167 triplicate in the Thursday mixed league.

O&E golf scores

OAE WOMEN'S GOLF TOURNAMENT RESULTS

Championship Flight

Name	Score
C Trembley	39-43 — 82
J. Wysocki	47-45 — 92
D Horning	45-48 — 93
P Clark	46-49 — 95
C Tomasino	48-48 — 96
L Hawkins	46-51 — 97
E Mobry	50-47 — 97
J Williams	51-46 — 97
B Jawor	46-53 — 99
K. Hertsford	45-55 — 100

Flight 1

Name	Score
P. Boshoff	44-50 — 94
D Matthews	46-50 — 96
B Marasky	50-47 — 97
S. Moran	51-47 — 98
A. Dickman	43-55 — 98
M.J. Jansen	47-52 — 99
J. Rudolph	49-50 — 99
F. Craigie	51-50 — 101
E. Kenney	52-49 — 101
B. Carrie	49-53 — 102
N. Ferrick	48-55 — 103
D. Dixon	47-57 — 104
L. Armstrong	50-54 — 104
A. Neiff	51-55 — 106
D. Walloch	52-54 — 106
D. DeSilvia	54-54 — 108
D Flynn	57-51 — 108
E Blair	56-53 — 109
J.R. Wells	52-57 — 109
C Larsen	59-54 — 113
S. Lankenau	53-61 — 114
M. Tubbs	55-60 — 115
M. Hoffman	56-59 — 115
P. Easton	56-61 — 117
A. Teahan	57-61 — 118
F. Lang	57-62 — 119
J. Winkler	62-57 — 119
H Kumar	59-61 — 120
M Filter	59-64 — 123
I. Benedict	61-62 — 123
M. Stephens	52-71 — 123
P. Link	— DNS
J O'Neill	— NC

Flight 2

Name	Score
S. Stemmer	50-51 — 101
M.E. Kalefuse	50-52 — 102
C Dyn	51-54 — 105
D. Locto	53-53 — 106
J. Schwender	49-58 — 107
F. Rooney	52-56 — 108
A. Kalmbarth	57-53 — 110
D. Mulcahy	50-63 — 113
R. Kristy	55-58 — 113
J. Preece	53-60 — 113
V. Butcher	55-59 — 114
E. Caverly	54-60 — 114
L. Mazur	52-62 — 114
J. Mitchell	55-59 — 114
M. Socall	51-64 — 115
G. Repasky	57-58 — 115
Y. Burdiak	52-64 — 116
N. Sposto	54-62 — 116
G. Smith	55-61 — 116
M. Priebe	56-61 — 117
E. Spoutz	57-60 — 117
S. Hetrich	63-58 — 118
J. Ford	60-58 — 118
J. Kee	61-58 — 119
R. Carpisello	57-62 — 119
M. Pobur	56-65 — 121
L. Cummins	57-64 — 121
N. Carter	63-64 — 127
C Cross	61-69 — 130
M. Maroney	61-69 — 130
R. Foster	64-70 — 134
I. Craig	66-69 — 135
B. Quackert	57-78 — 135
N. Gala	72-87 — 159
H Grunkin	77-83 — 160

Harrison grad tries field hockey

Beth Dilley, a 1979 graduate of Farmington Harrison High School, is a member of the women's varsity field hockey team at Grand Valley State College in Allendale.

Grand Valley will be shooting for the .500 mark this season for the first time in seven years of competition. The Lakers barely missed the break-even mark the last three years under coach Ann Rancourt with records of 6-7, 5-6-1 and 5-6-3. Grand Valley has a new coach this year — LuAnn Schaar, a 1978 graduate of Central Michigan University.

In the season opener, Alma College defeated Grand Valley, 2-1.

SC series will probe '80s issues

A four-part series reviewing election year issues will be sponsored by the Schoolcraft College Student Activities Office during October.

The free series will be held at 7 p.m. each Tuesday in the upper level, Waterman Campus Center.

The programs are:

- Oct. 7, "Will We Have Another Great Depression?" Daniel Fusfeld, economics professor, University of Michigan.
- Oct. 14, "The Equal Rights Amendment: Pros and Cons and its Effect if Ratified." Virginia Nordby, policy coordinator, University of Michigan.
- Oct. 21, "Foreign Military Policy," J.D. Singer, political science professor, University of Michigan.
- Oct. 28, "Electoral Politics: Political Trends and Their Implications for the '80's." Arthur Miller, director, University of Michigan Center for Political Studies.

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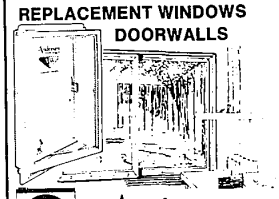

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CITY OF FARMINGTON
NOTICE OF PUBLIC HEARING

THE PLANNING COMMISSION of the City of Farmington will hold a PUBLIC HEARING on MONDAY, OCTOBER 13, 1980, at 8:00 P.M. in the Council Chambers, 23600 Liberty Street, Farmington, Michigan, for the purpose of reviewing a proposed amendment to the Farmington City Code Zoning Ordinance.

The proposed amendment would require the site plan review and approval by the Planning Commission before a zoning compliance permit is issued for the construction or extension of the exterior of a building or the construction of a new parking lot which contains more than ten parking spaces within any district other than One Family Residential Districts. A complete copy of the proposed ordinance is on file in the office of the City Clerk for public inspection.

All interested persons will be given an opportunity to express their views at the above time and place. Any additional information desired regarding the above is available at the office of the City Clerk.

NEDRA VIANE, City Clerk

Publish: September 29, 1980

CITY OF FARMINGTON HILLS
OAKLAND COUNTY, MICHIGAN

ADVERTISEMENT FOR BIDS
1980 CONCRETE PAVEMENT REPLACEMENT PROGRAM

Sealed proposals will be received by the City of Farmington Hills, Oakland County, Michigan, at the Clerk's Office at 31555 Eleven Mile Road until 10:00 A.M., October 9, 1980, at which time and place, all proposals will be publicly opened and read aloud.

The work consists of furnishing all labor, materials and equipment necessary to remove and replace approximately 1500 square yards of concrete pavement on a 6" compacted slag base and to perform other associated work as itemized in the proposal.

Plans, specifications and proposal forms may be obtained at the Clerk's Office at the above address on or after September 30, 1980, upon deposit of $20.00, which will be refunded upon the return of the drawings and contract documents in good condition within ten days after the bid opening. Proposals must be submitted on proposal forms furnished by the undersigned.

Each proposal shall be accompanied by a Certified Check or Bid Bond by a recognized surety company in the amount of five percent (5%) of the bid, payable to the City of Farmington Hills, as security for acceptance of the Contract.

The City reserves the right to waive any or all proposals, to waive irregularities and/or informalities, and to make the award, that in the opinion of the City Council is in the best interest, and to the advantage of the City of Farmington Hills.

FLOYD A. CAIRNS, City Clerk

Publish: September 29, 1980

PUBLIC NOTICE
CITY OF FARMINGTON

PLEASE TAKE NOTICE the following Resolution was adopted by the Farmington City Council and authorizes placing a Charter Amendment Proposal on the November 4, 1980 General Election Ballot.

A Resolution to place a Question on the ballot of the General Election, November 4, 1980, which proposes to amend the Farmington City Charter, Chapter 8, General Finance, Section 8.2, Paragraph 1, and Section 8.4 of the Charter of the City of Farmington.

BE IT RESOLVED by the City Council of the City of Farmington, Michigan, as follows:

The Farmington City Council by unanimous vote of its members-elect, pursuant to the authority granted by Act No. 279 of the Public Acts of 1909, as amended, proposes that Chapter 8, General Finance, Section 8.2, Paragraph 1, and Section 8.4 of the Charter of the City of Farmington shall be amended to read as follows:

Budget Procedures:

Section 8.2. The City Manager shall prepare and submit to the Council, on or before the third Monday in April of each year, a recommended budget covering the next fiscal year, and shall include therein at least the following information:

(a) Detailed estimates with supporting explanations of all proposed expenditures for each department and office of the city, including those for the Court, showing the expenditures for corresponding items for the last preceding fiscal year in full, and for the current fiscal year to March 1 and estimated expenditures for the balance of the current fiscal year;

(b) Statements of the bonded and other indebtedness of the city, showing the debt redemption and interest requirements, the debt authorized and unissued, and the condition of sinking funds, if any;

(c) Detailed estimates of all anticipated revenues of the city from sources other than taxes with a comparative statement of the amounts received by the city from each of the same or similar sources for the last preceding fiscal year in full, and for the current fiscal year to March 1, and estimated revenues for the balance of the current fiscal year;

(d) A statement of the estimated balance or deficit for the end of the current fiscal year;

(e) An estimate of the amount of money to be raised from current and delinquent taxes and the amount to be raised from bond issues which, together with any available unappropriated surplus and any revenues from other sources, will be necessary to meet the proposed expenditures;

(f) Such other supporting information as the Council may request.

Adoption of Budget:

Section 8.4. Not before May first nor later than the first Monday in June in each year, the Council shall by resolution adopt a budget for the next fiscal year, shall appropriate the money needed for municipal purposes during the next fiscal year of the city, and shall provide for a levy of the amount necessary to be raised by taxes upon real and personal property for municipal purposes subject to the limitations contained in Section 9.1.

PROVISIONS OF EXISTING SECTION 8.2, Paragraph 1; and Section 8.4 of the Charter of the City of Farmington to be altered by such proposal, if adopted, now read as follows:

Budget Procedures:

Section 8.2. The City Manager shall prepare and submit to the Council on or before the first regular meeting in April of each year, a recommended budget covering the next fiscal year, and shall include therein at least the following information:

(a) Detailed estimates with supporting explanations of all proposed expenditures for each department and office of the city, including those for the Court, showing the expenditures for corresponding items for the last preceding fiscal year in full, and for the current fiscal year to March 1 and estimated expenditures for the balance of the current fiscal year;

(b) Statements of the bonded and other indebtedness of the city, showing the debt redemption and interest requirements, the debt authorized and unissued, and the condition of sinking funds, if any;

(c) Detailed estimates of all anticipated revenues of the city from sources other than taxes with a comparative statement of the amounts received by the city from each of the same or similar sources for the last preceding fiscal year in full, and for the current fiscal year to March 1 and estimated revenues for the balance of the current fiscal year;

(d) A statement of the estimated balance or deficit for the end of the current fiscal year;

(e) An estimate of the amount of money to be raised from current and delinquent taxes and the amount to be raised from bond issues which, together with any available unappropriated surplus and any revenues from other sources, will be necessary to meet the proposed expenditures;

(f) Such other supporting information as the Council may request.

Adoption of Budget:

Section 8.4. Not before April fifteenth nor later than the third Monday in May in each year, the Council shall by resolution adopt a budget for the next fiscal year, shall appropriate the money needed for municipal purposes during the next fiscal year of the city and shall provide for a levy of the amount necessary to be raised by taxes upon real and personal property for municipal purposes subject to the limitations contained in Section 9.1.

The purpose of the proposed amendment shall be designated on the ballot as follows:

PROPOSAL TO AMEND CHAPTER 8, SECTIONS 8.2, Paragraph 1, AND 8.4, OF THE CHARTER OF THE CITY OF FARMINGTON

Shall the Charter of the City of Farmington be amended to allow the City Manager to prepare and submit to the City Council the recommended budget by the third Monday in April of each year; and the City Council to adopt a budget not before May first nor later than the first Monday in June of each year?

The City Clerk shall forthwith transmit a copy of the proposed amendment to the Governor of the State of Michigan for his approval, and transmit a copy of the foregoing statement of purpose of such proposed amendment to the Attorney General of the State of Michigan for his approval, as required by law.

The proposed charter amendment shall be, and the same is hereby ordered to be, submitted to the qualified electors of this city at the General Election to be held in the city on the 4th day of November, 1980, and the City Clerk is hereby directed to give notice of the election and notice of registration therefor in the manner prescribed by law and to do all things and to provide all supplies necessary to submit such charter amendment to the vote of the electors as required by law.

The proposed amendment shall be submitted to the electors in the following form, to wit:

PROPOSAL TO AMEND CHAPTER 8, SECTIONS 8.2, PARAGRAPH 1, AND 8.4 OF THE CHARTER OF THE CITY OF FARMINGTON.

Shall the Charter of the City of Farmington be amended to allow the City Manager to prepare and submit to the City Council the recommended budget by the third Monday in April of each year; and the City Council to adopt a budget not before May first nor later than the first Monday of each year?

YES ☐

NO ☐

The canvass and determination of the votes on said question shall be made in accordance with the laws of the State of Michigan and the Charter of the City of Farmington.

ROLL CALL:

AYES: Bennett, Buckler, Hartsock, Tupper, Yoder.

NAYS: None.

ABSENT: None.

RESOLUTION DECLARED ADOPTED JULY 21, 1980

NEDRA VIANE, City Clerk

I, Nedra Viane, duly authorized Clerk for the City of Farmington, Michigan, do hreby certify the above resolution is a true and correct copy of a resolution adopted by the Farmington City Council at a Regular Meeting held Monday, July 21, 1980, in the City of Farmington, Oakland County, Michigan.

NEDRA VIANE, City Clerk

Publish: September 29, 1980