

Kalamazoo Astronomical Society
"Presents"

Great Lakes Regional Convention



AUGUST
17, 18, 19

1973

Kalamazoo, Michigan

Journal of the Warren Astronomical
Society

THE

August 1973

WASP

JULY
S M T W T F S
1 2 3 4 5 6 7
8 9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
29 30 31

WAS CALENDER AUGUST

1973

MOST ACTIVE ORGANIZATION IN MICHIGAN

SEPTEMBER
S M T W T F S
1
2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30

SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY

LET'S
SWEET
STRONG TURN
OUT FROM
WARREN
AT THE
CONVENTION!!
SLIDES
PAPERS
EXHIBITS
OBSERVING
QUIZ BOWLS
and needed
most your
presence

1

2 Messier
CLUB

3 DETROIT
ASTRO. SOC.

4

791-8152.

KALAMAZOO
ASTRO. SOC.

8

9 ASTRO
PHOTO
MEETING

10 D. A. S.

11

776-9720

16 WAS
GENERAL
MEETING
8:00 MACOMB

17 GREAT LAKES
REGIONAL
CONVENTION

18

19 GLRC
CONVENTION

20

23

24 D. A. S.

25

CAMP OUT
W. A. S.

*26
CAMP OUT
W. A. S.

27

28

29

30

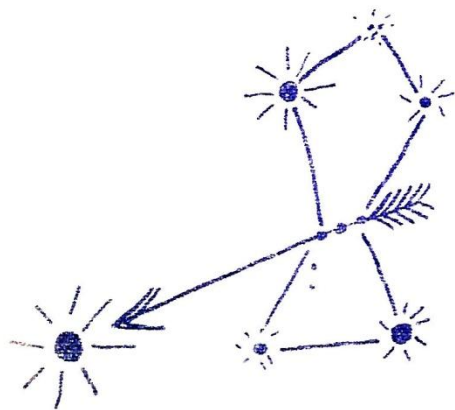
31 D. A. S.

A LETTER FROM THE EDITOR

Well, here we are with another issue of the W.A.S.P. brought to you by the MCCC ditto machine.

Despite our best efforts at the last meeting to produce clouds, the H.M.S. Canberra sailed to clear weather and a beautiful eclipse that included one of the longest diamond rings on record. I have already seen some of the photographic results, all of which will be shown at the July general meeting. Members of the W.A.S. formed the second largest group on board for any one organization, I am told. Nice going, W.A.S. The W.A.S. also had the largest telescope on board, with nothing coming close to Dave Harrington's 14½ inch.

The W.A.S. eclipse results along with others from all over the Region will be shown at the annual Regional convention to be held this year in Kalamazoo August 17, 18 and 19. A prize of 50 dollars will also be awarded at this convention to the club with the best participation in the convention as a whole (this includes attendance, papers given, contest participation, slide shows, etc.), so let's go get an easy \$50 for the treasury. If you plan to give a paper, send a two or three page summary to Mike Potter, c/o Pine Mt. Observatory, RR 2, Box 144B, Lawton, Mich. 49065. These summaries will be published and available at the end of the convention, but you must send it before August 10th in order for it to be included. On Friday night, the convention gets started at 7:30 with a blast-off party (It is my understanding that the DOAA has donated \$50 toward the booze). Also, to be included, will be a Star Bowl and a Messier Contest which will have a \$25 top prize and a \$10 second place prize, with a two year subscription to "Modern Astronomy" going to third place. We've had so much experience with Messier Contests that the W.A.S. should sweep all three. All in all, this promises to be a great convention, so don't miss it. If anyone needs rides, or is willing to give them, please call me at 268-9337.



See ya at the convention,

Ken Wilson, editor

POEMS TAKEN FROM THE SEA

Submitted by Diane McCullough

These are dedicated to all 1973 African Eclipse Cruise passengers who sailed on the S.S. Canberra.

First Voyage

And truly, though we were at sea, there was much to behold and wonder at, to do, who was on my first voyage ... Never did I realize till now that the ocean was: how grand and majestic, how solitary, and how boundless, and beautiful and blue; for that day it gave me no tokens of squalls or hurricanes, such as I heard my father tell of; nor could I imagine how anything that seemed so playful and placid could be lashed into rage, and troubled into rolling avalanches of foam, and great cascades of waves, such as I saw in the end...

I felt as in a dream all the time; and when I could shut the ship out, almost thought I was in some new, fairy world, and expected to hear myself called to, out of the clear blue air, or from the depths of the deep blue sea.

HERMAN MELVILLE

O to sail in a ship,
To leave this steady unendurable land,
To leave the tiresome sameness of the streets, the
 sidewalks and the houses,
To leave you, O you solid motionless earth, and
 entering a ship,
To sail and sail and sail!

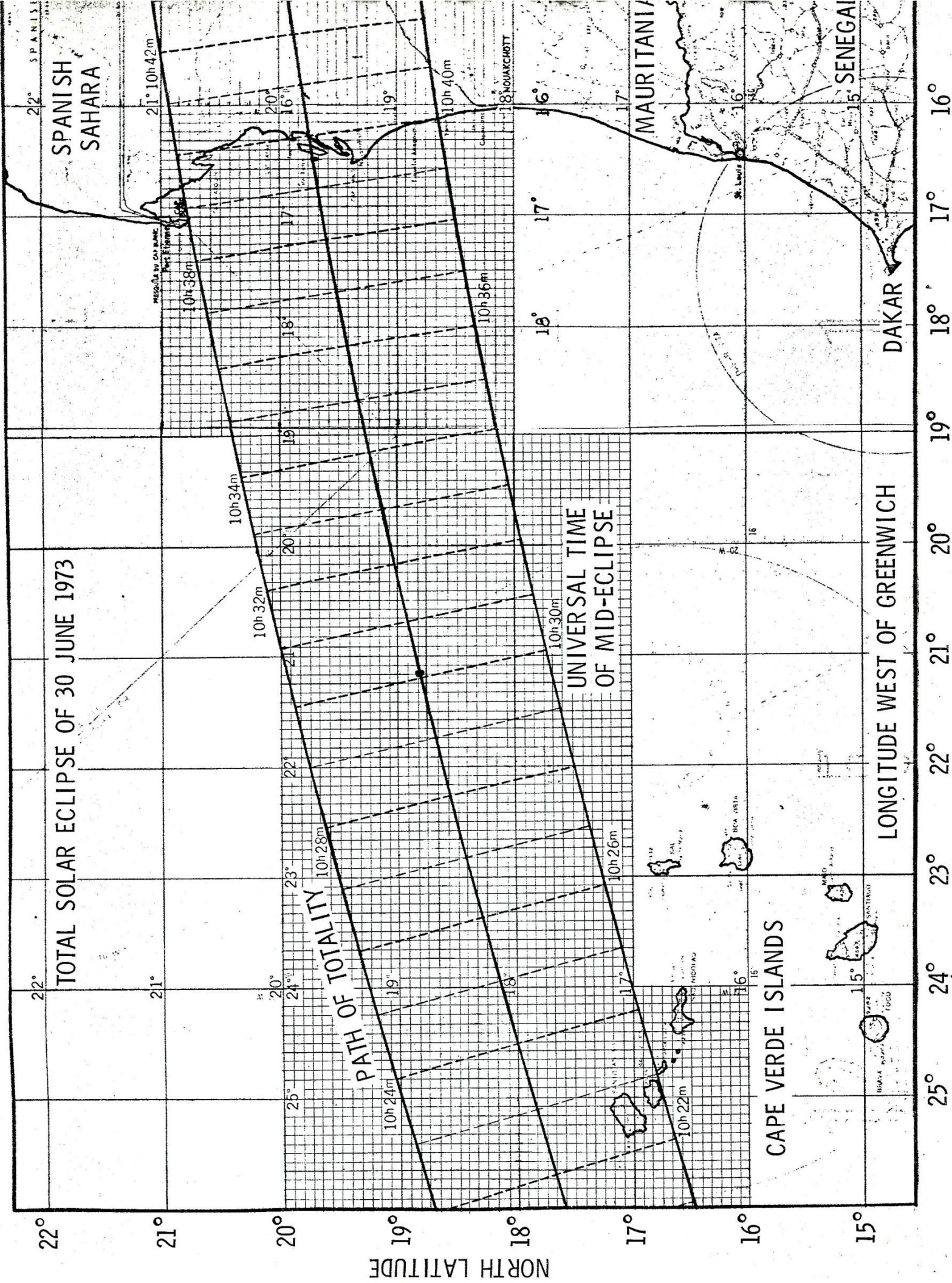
WALT WHITMAN

Sunset at Sea

. . . we were again visited by a calm in the evening.

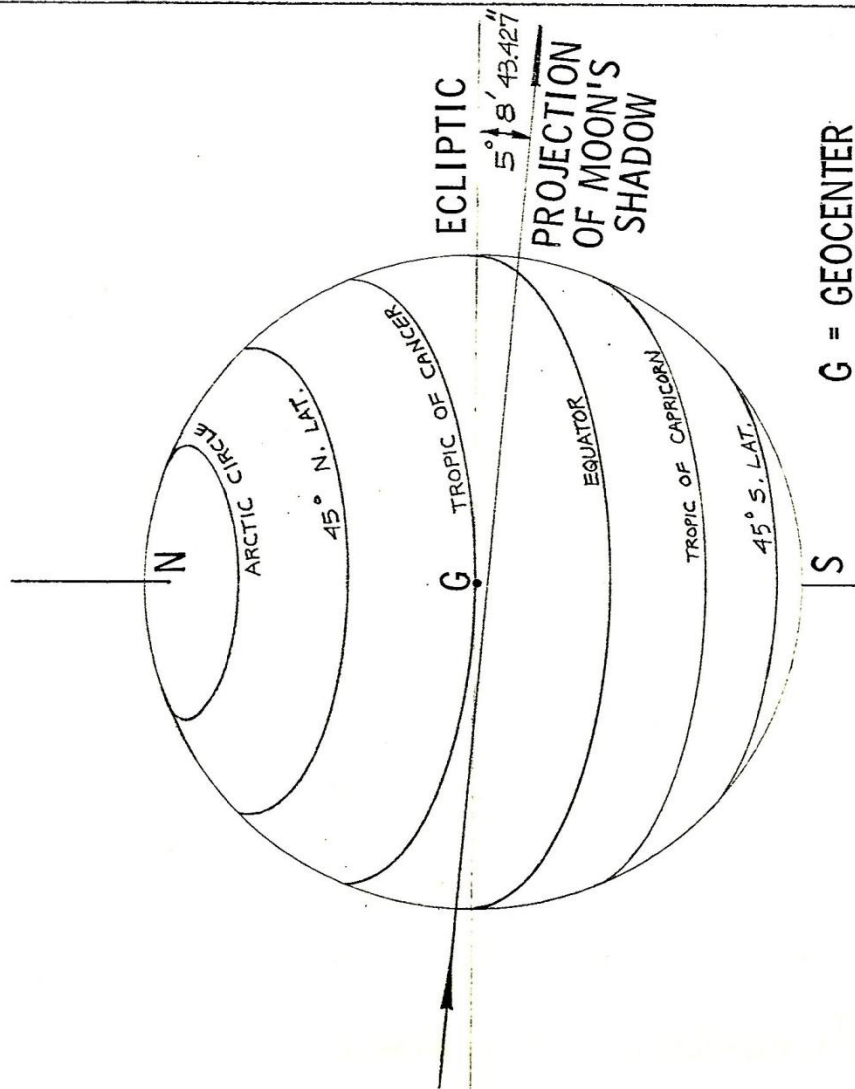
But here, tho' our voyage was retarded, we were entertained with a scene which as no one can behold without going to sea, so no one can form an idea of anything equal to it on shore. We were seated on the deck, women and all, in the serenest evening that can be imagined. Not a single cloud presented itself to our view, and the sun himself was the only object which on pressed our whole attention. He did indeed set with a majesty which is incapable of description, with which, while the horizon was yet blazing with glory, our eyes were called off to the opposite part to survey the moon, which was then at full, and which in rising presented us with the second object that this world hath offered to our vision. Compared to these the pageantry of the theatres, or splendors of the courts, are sights below the regard of children.

HENRY FIELDING



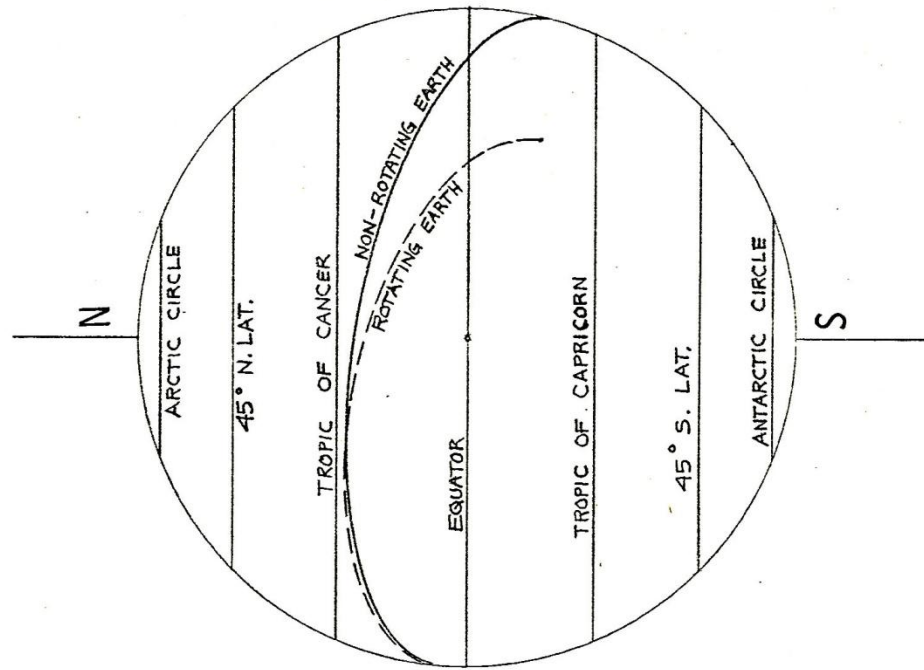
TOTAL SOLAR ECLIPSE OF 30 JUNE, 1973

TOTAL SOLAR ECLIPSE OF 30 JUNE, 1973



DESCENDING NODE

TIME REQUIRED FOR SHADOW TO
TRANSIT EARTH'S DISK: 3^h 26^m



PATH OF MOON'S SHADOW ON THE EARTH

TOTALITY
By
Frank McCullough

I arose June 30th around 7:30 a.m. and was on deck in less than half an hour. As I made my way up, I heard people talking of clouds. A chill instantly ran over me. I got to the sun deck on the ocean liner where I saw Dave Harrington and Pete Kwentus near their instruments. They caught sight of me and I heard Dave say, "Look at these ____ ____ Clouds." Yep, there they were, clouds so thick not even the rays of the sun could penetrate through. Dave thought for sure he had brought the clouds with him again, for he was known to us as Hard Luck Harrington, since he was clouded out on his last two tries. Then we saw what looked to be a long edge with a hazy blue sky following as the edge made its way toward us. The blue was very evident, first contact started as the very last of the clouds passed over the ship. There was no doubt about it; we were going to see the eclipse! Diane nervously fumbled with the settings on the camera, trying to remember what she was going to do. Dave had a parade of people taking turns watching the moon eat away at the sun through his 17½ inch monster. Pete was preparing for second contact with his 300mm. telephoto and his 6 inch reflector. My sister was checking out the movie camera, which would yield nothing more than diamond ring as the light meter was to be accidentally switched off. So I had my pride and joy which was to yield 36 eclipse slides all out of focus and perfectly centered with 5 diamond rings. Diane was to save my sanity by taking beautiful slides and capturing a record 7 diamond ring shots with the 250mm. telephoto. Dave Harrington was to shoot excellent partials through the 14½ inch while the processors of his slides lost his totality shots. Hopefully his movie and 500mm. shots will perk him up. Jerry Persha was to find out that he was partially successful after building a 4 inch Cassegrain telescope for the trip.

Getting back to what was happening presently, the sky was getting darker and darker and our excited chatter could be heard. Diane said I'm going to goof things up, I tried to calm her, but this was to be her first totally clear eclipse, an eclipse highly publicized and one that would make history. You could watch and feel the light leaving and diamond ring appeared. Beautiful! Spectacular! The diamond ring left and a whole new corona was seen. It looked like a spider motionless, suspended in space. It had the features of the streamers from the crab nebula. The next thing I noticed I could read the settings on my camera, it was a terrifically bright eclipse. If you had been to a two minute eclipse, you know how fast time flies, well you will think I'm exaggerating but this one seemed just as fast. Before you knew it, the chromosphere was shooting up in the telescope and diamond ring came through. But, this was a weird diamond ring: a long one. It was seen to last 7 seconds. It looked like someone had hit the moon on the head with a hammer and it was starting to swell (I know my impression of diamond ring will never win me an award but that was my first impression). Then, all at once, it was over, the only thing left was to go to the crow's nest, sit down and thanks God, Allah, Neptune and all the gods that made our Eclipse 73 the most memorable, and most expensive! By the way, Diane did not panic during the eclipse, she broke down and cried, but I looked at her exposure number on the camera and it read 32. THANKS, DIANE!!!

WARREN ASTRONOMICAL SOCIETY

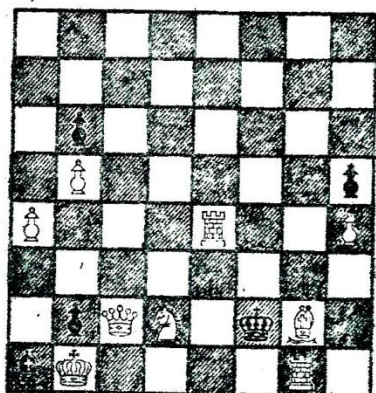
MONTHLY CHESS PROBLEMS

D. HARRINGTON

7/19/73

AS YOU WERE WARNED LAST MONTH, PROBLEMS 5 AND 6 WERE VERY TOUGH THREE-MOVERS. MANY WRONG ANSWERS WERE RECEIVED, AND ONLY ONE MEMBER WORKED OUT THE CORRECT SOLUTIONS. CONGRATULATIONS TO DOUG BOCK, WHO INCREASED HIS LEAD TO 53 POINTS. HE WILL BE HARD TO CATCH. THE TWO PROBLEMS FOR THIS MONTH ARE A LITTLE EASIER THAN #5 AND #6.

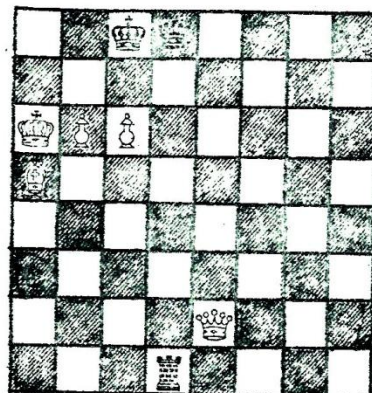
PROBLEM 7



WHITE MATES IN TWO

10 POINTS

PROBLEM 8



WHITE MATES IN THREE

15 POINTS

THE SOLUTIONS TO LAST MONTH'S PROBLEMS ARE AS FOLLOWS:

PROBLEM 5 SOLUTION

KEY MOVE: R-KN6!

THREAT: NONE (WAITING FOR BLACK)

VARIATIONS: IF 1)...., PXR

2) B-KN5

IF 1)...., P-B3

2) KXP

PROBLEM 6 SOLUTION

KEY MOVE: R-KR1!

THREAT: Q-N1

VARIATIONS: IF 1)...., R-N2

2) R-K1

IF 1)...., R-B2

2) R-QB1

AFTER THREE MONTHS, (THE HALF-WAY POINT), THE STANDINGS IN THE CHESS-PROBLEM CONTEST ARE:

RANK	NAME	POINTS
1	D. BOCK	87
2	D. MISSON	34
3	K. WILSON	27
4	F. M ^C CULLOUGH	27
5	R. KWENTUS	7
6	ALL OTHERS	0