

M.A.S. Observatory staff:

July 5, 1938.

Each night the Observer in charge shall have the following information entered in this log book.

Temperature and weather conditions.

Name of each Observer. Date and time of his arrival and leaving observatory. Number of variable star observations made. His last monthly and yearly serial numbers. Also information on any other research work he may be engaged in.

Also enter any other information or suggestions which may be used to improve our observatory equipment or program.

If any difficulties are experienced with any of the instruments, DO NOT TRY TO REPAIR THEM YOURSELF, but report them in this log book, and they will be taken care of.

IF ANYTHING OF A SERIOUS NATURE OCCURS, get in touch with me at once.

Address - 544 - No. 54th. Street

Phone Bluemound 4039.

b. M. Pinslow.

Observer in charge. Paul Jones.

Arrived at 9⁰⁰ P.M. 4-5-38
Clear " " Temp. 56°

Left at 3⁰⁰ A.M. 4-6-38
cloudy in the east at 3⁰⁰ A.M. T

22 var. star obser. made.

Last monthly serial # 123

Last yearly serial #

Tom Smith

Arrived at 9⁴⁰ P.M. 4-5-38

Left at 11⁵⁰ P.M. 4-5-3

9 Var. star obser. made.

Last monthly serial # 32

Last yearly serial # 1

George Shore

Arrived at 9⁵⁰ P.M. 4-5-38

Left at 3⁰⁰ A.M. 4-6-38

18 Var. star obser. made

Two telescopic meteors.

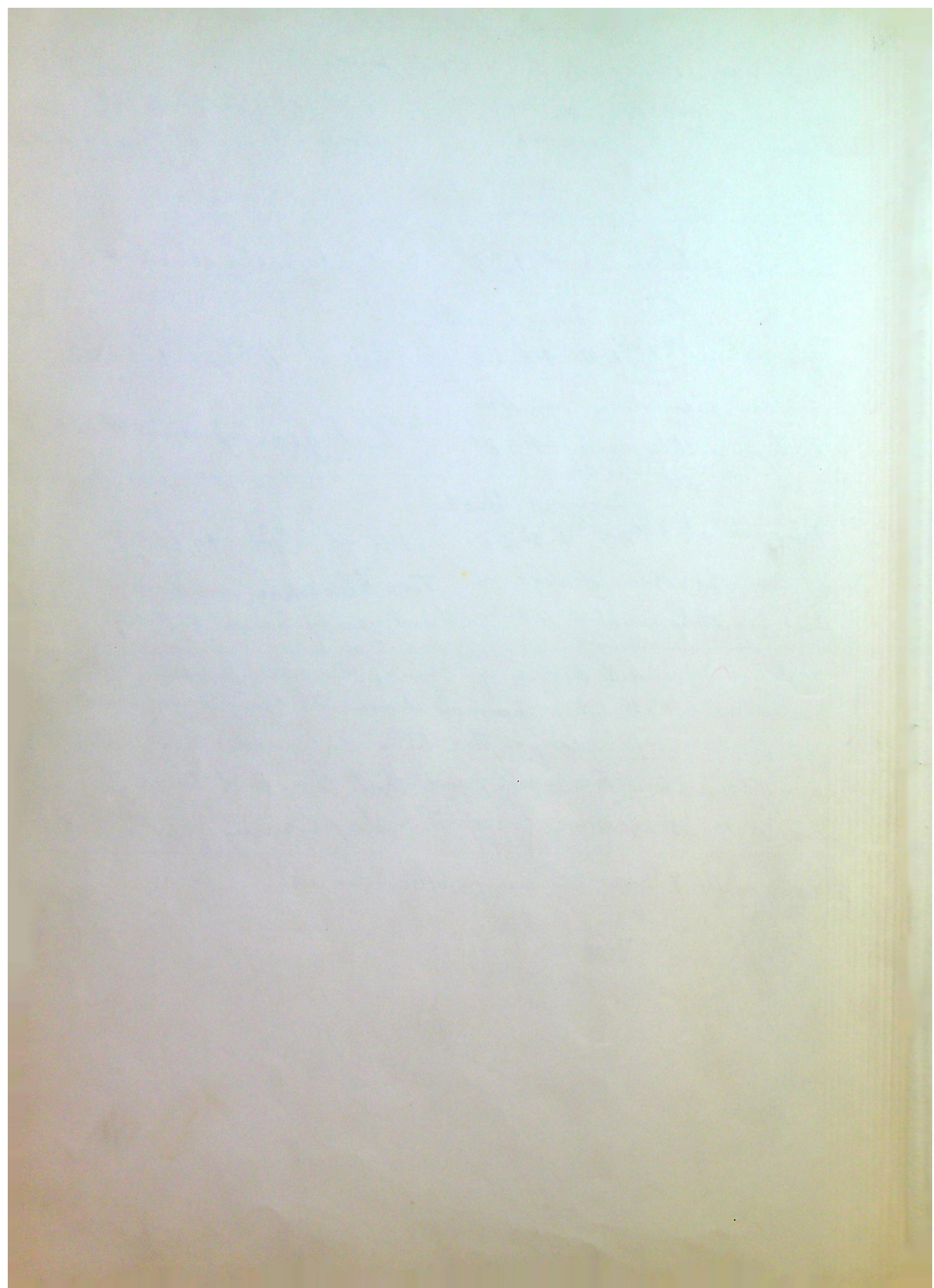
Last monthly serial # 119

Last yearly serial # 533

Mr. and Mrs. A.R. Morse of Chicago came to see the Observatory at 9¹⁵ P.M. Showed them the equipment and let them look through the 13". Informed them of our Observatory program, and that they and their family would be welcome every Monday evening from 7³⁰ P.M.

Motor on the 8" runs very warm after 3 hrs. use.

Paul Jones.



July 5, 1938 E.A. Halbach (in charge)

Arrived 9:00 P.M.

Moon first quarter, clouds threatening. Temp - 62

Joe Schmitz operated transmitter 9:00 - 10:00

Two visitors were shown moon

11 variables, - Monthly total 27 - Yearly serial.

Left 13:30 - Cloudy - Temp. 62

7-5-38 C.M. Punslow

Arrived 10⁰⁵ PM Left at 11²⁵ PM.

2 var. star obser. made

Monthly serial # 4 Yearly serial #

7-5-38 E.C. Needham

Arrived 9:30 P.M. Left 1:30 AM 7-6-38

4 Variable star observations made

Monthly serial # 10 Yearly serial

7-5-38 J.H. Schmid

Arrived at 9:00 PM with Ed Halbach; left 1:30 AM 7-6-38

3 variable star observations

Monthly Serial # 3 Yearly serial #

July 8. C. M. Prinslow
 Temp. 63° moon $\frac{3}{4}$ Part cloudy
 Arrived at 10:30 P.M.
 D Livingston & David Saxon waking on 8"

C. C. Needham

Arrived at 10:45 P.M. Left 1:30 A.M.

E. Var. Star Olsen.

Lost monthly serial # 12

T. Cass (001755) red variable seemed fainter than either Halbock's or Prinslow's estimation - Couldn't convince myself otherwise they gave it $8.5 + 8.3$ respectively.

E. Halbock

Arrived 12:50 AM 7-9-38, left at 3:00. Temp 63°
 12 variables observed Monthly serial # 39
 Livingston and Saxon made several observations (not recorded)

9 Sat.

D Moore, A. Esche, D. Livingston & E. Halbock began working 9:30 AM. Left 5:30 P.M.

Installed sync. drive motor (rubber mtg added)
 Mowed lawn.

Buffed all cracks in dome and painted about $\frac{2}{3}$ with second coat of al. paint.

Oiled dome guide wheels & worked on dome skirt to make dome turn easier. EAB

July 9 - Contd

D. Moore, Halbach, Diedrich came out to tend instrument ^(9:00) Temp. 67°C
for members of Milw. Geological Society. Group arrived
at 10:00 and left at 11:00 (About 15 in group)

Halbach - 1 variable - Monthly serial #40 Left at 11:05
Clouds came up so closed at 11:15

July 10 Sun Earl C. Needham L.P.
arrived 12:30 - slept till 2:30 -
tired - floor too hard.

July 10 CM Prinslow 12 M 19 To
2:00 AM } Prinslow Esche } Drove to Holy Hill for
Halbach }
Madison } 50 ft. poles for antenna mast

July 11. Open House. Dr. Ball lectured.
Dr. J.D. Ball, Dr. Ball & E. Halbach in attendance.

July 12-38 12 M 19 to 1:45 AM
9 Visitors CM Prinslow in attendance

July 15 Cooke, Prinslow, Halbach and Madges
Repaired motor drive - 9:00 - 12:00 P.M.
Several visitors.

July 16, 1938 Esche, Moore, A.R. Ball, D. Livingston
9:30 - 5:00 PM. Skinned 60 ft poles, finished painting
dome.

Halbach, Cooke, Prinslow -
1:00 - 6:00 P.M. Completed Motor drive repairs.

July 17, 38 Moon Bright Temp 65°
cloudy after 11:30°
Prinslow - In at 9:00 PM Left at 11:35 PM Monthly 9
Halbach - " " 9:30 " " 12:00 " 43
Ball - " " 10:15 " " 11:40 " 1
Ball Jr.

July 18, 38

all - 8:15 - 11:00 Helping around at Cooke 8" Monthly 2

Prinslow 7:45 PM to 11:00 PM Open House.

R.D. Ball lectured to about 40.

E. Halbach showed constellations to part of group } Observed until
Walbach & Kenzick at 13" } 2 AM.

July 19 - Temp 60°
Halbach & Schmitz arrived at 9:00 and
worked on transmitter - Needham arrived 9:25
Needham & Halbach observed variables between the
thunder clouds until 11:30 PM - all left
Halbach - monthly series
Needham - " " 18 - 4 for tonight
Left 11:40

July 20. ^{monthly 15} Albrecht and Ball Arrived at 8:30. Temp 54. ^{Monthly 12}
 W Aquilae was 14.2. Mag Fainter than
 faintest on map. Left at 12:00 Temp.

July 21 C.M. Prinslow

8:30 PM Temp. 67° Sky overcast

unable to see 12m star.

Working on map corrections

Left at 10:20 PM.

July 21 L. Grumfield - E.A. Heckenbump

Arrived 10:30 PM Sky overcast. Observed transit
 of a satellite of Jupiter. Temp 57°

Prof Phillips visited the observatory and observed at 11:45.
 Left at 12:00 MIDNITE SKY OVERCAST.

July 23. Saturday - Clouds in morning - Cool.
 Warmer after lunch

3 Grumwald

7 Esche

7 Moore

7 Halbach

7 Boecker

5 Livingston

Arrived at 9:00 AM

Left at 4:30

Cut grass

Patched roof leaks

Built a "stoop" at door

Completed the skinning of two poles

Placed stones inside building for fill.

3 Albrecht arrived at noon. - left at 4:00 PM

Grumwald left at noon.

M.S. Halbach, Friedrich + Henziak { arrived 9 PM }
 107 39 14 { left 3:45 AM }
 14

Prof. Phillips stopped in about 11 P.M.

July 24 C.M. Prinslow & page 73

Sky overcast. Out at 1:00 AM

July 25

J. Schmitz } 9:00 PM - 10:30 - Arranged radio
E. Halbach } cooperation for Delta Aquarid meteor
show with W9KBT at Lima
Center. He cannot help.

H. Grunwald took care of visitors.

Closed at 10:20. - Cloudy. Temp. - 69°F

Prinslow in at 1:00 AM out at 2:40 P.M.
around the 8" Tel. building unlocked!!!

July 28-29

Joe Schmitz opened at 10:00 PM. Set up
L. Armfield radio equipment for meteor observing
Prepared ground for meteor observing

A.R. Ball Recorded for the following countries: -

Katy

Heckenkamp E.B.

Heckenkamp E.

Ball, John Jr.

Seibel H.

Albert, Grunwald, Moore & Armfield plotted.

Albert & Grunwald retired at 14:00 hours

Needham recorded time for plotters until 13:30
after which Moore took over.

Ball, John & A.R. counted until 15:15

Halbach, Prinslow, Oakley and Seaborn
manned the Milton Station.

Duplicate plotting stopped at 15:00 hours
Moore, Ball, A.R. & John and Armfield
closed observatory at 15:20.

Temperature at 15:15: 59°
Sky Excellent all night

July 29

July 30

July 31

August 1, 1938

Observatory opened by Prinslow and
Armfield, Halbach and Trunwald took care

Temperature at 11:00 AM 71° Sky clear & under
murky near horizon. Rather good aurora display
to 10:45 PM. Bright detached streamer about 30-50°
from Vega through Hercules, no visible streamer from
the horizon. All but Halbach left at 11:00

Halbach observed variables. — left at 12:30

Temp. 61° High wind

August 2

Halbach, J. Schmidt arrived at 9:00 P.M.
Seibold, Ruhloff and Chink worked with
Schmidt on 8". Four visitors came
in and were shown around.

Beautiful night. - temp 74°-70°

Monthly serial - { Halbach 56
Schmidt 7
Seibold 2

Ruhloff & Chink left at 13:00

Halbach, Schmidt, Seibold left at 16:00

C. Needham - Arrived 11:20
left 2 A.M. 3 Variable observations
on monthly serial #3 - Yearly?

August 3

W. Ball and John Ball Jr, 9:00-10:15 Temp. 77°F
Entire sky cloudy - no soap

10:30 Clouds parted, worked till 12:30 when Halbach arrived
with guests. Bright animal arch

Aug 7.

Grinslow + Halbach repaired trouble in powerline. Noon to 2 P.M.
Halbach + Herman Schmitz worked on shutter cable until 6:00 P.M.

Aug. 8. Albrecht arrived at 7:45 P.
Temp was 66. Clear except for fe
clouds in west. Left at 9:00

Halbach, Joe & Herman Schmitz arrived at 8:30. I
worked on oscillator signal in transmitter. Left at

Brunwald and Brand arrived at 8:45. A.P. Tabbat
came in also. Halbach left 11:30

Needham arrived 10:30 made 2 variable
observations. Sky clouded up something
awful. Monthly serial 7.

Needham & Tabbatt left 12³⁰ - all

Aug 9. Halbach, Prinslow & Brunwald -
pole & wire proofed. Put cable on shutter. 9:30 M to 6:30
Aug 11-12 Jack Schmid, D. Moore, David Moore arrived
at 8:45. TEMP 60?

Prinslow, Needham, Kaizsch, Joe Schmitz, Hochenkamp, Mrs
Prinslow & Daughter, Tabbatt, Ruloff, Bateman, Grade
Armfield arrived prior to midnight.

Prinslow, Schmid, Kaizsch, Prinslow & Armfield plotted,
Joe Schmitz operated the station, Needham at the
wire recording & timing.

Tabbatt, Moore & ~~Ruloff~~ ^{Prinslow} counted. Hochenkamp practiced
plotting for a while.

Madison signals in the mud 12:00 to 13:00. No s
from Madison at all from 13:00 to 14:20.

Plotted from 12:00 to 14:20. Signed off 14:25
Temperature 55°

Halbach, Diedrich, Katz, Mass & R. Cooke, Jr.
were at the cooperating station at Tuker Cre
10 miles North of Madison.

12 Aug 13-14-19

Temp. 69.5

Prinslow

9:35 PM to 15:05 Monthly Serial #10

Variable star Obs.

George Dieckrich 9:35 — 15:08 Monthly Serial #19

Mike Kengish 9:34 — 15:11 " " #4

Aug 13. Daytime.

9:30 — 5:30

Prinslow, Dieckrich, Halbach,
Albrecht and Moore prepared and
painted two long antenna poles
and set slits for north magnet.

Aug. 17. Temp 66 - 64

Arrived at 7:40. 12 variables.

Quit because of moon. 10:30.

Wm Albrecht.

Aug 18. Grunwald & Halbach - Painted poles white

8:30 to 10:30 A.M.

18 Armfield, Halbach & Schmidt opened
Observatory at 8:20 PM - Rudoff waiting
to get in. Temperature 67°
Hechenbump reported at 9:15 PM
Neetham reported at 10:00 PM

Visitors arrived at 9:30 and stayed until
10:15 PM. Showed them the Scutum cluster
and the globular cluster in Hercules (M13) in
the 13-inch. Jupiter & other ~~main~~ objects
showed them in 8-inch.

Two of the visitors took the \$2.00 members in the society. Halbach collected dough. Hechenkamp + Armfield resume observation at 10:15, Needham, Ruloff + Schmidt observed with the 8-inches. Hechenkamp + Armfield left at 12:00. Needham left 14:10 ~~24~~

7 observations made - monthly serial 14-

Halbach	MS-81	} Left at 16:00	Temp. 61°F
Schmidt	MS-22		
			Ruloff left at 13:

Aug 19-38 Temp. 70° very windy at 11:45

C. M. Prinslow 8:00 PM to 11:45 PM

Monthly serial #18

G. Dietrich " #25

M. Keiziak " #8

Aug. 20. Moore, Drumwald, Halbach and Albrecht.

9:30 AM to 3:30 PM. - Gave antenna masts la-

coat of paint. Mowed, raked and removed lawn.

Repaired small Ford truck and hauled a bed of fill into

Ab. Bldg.

Aug. 20-22, 1938.

C. M. Prinslow 12:00 to 16:30 P.M. #33

G. Dietrich " " " " #40

Temperature 59°F.

Clear sky since erection of Observatory.

August 22 Temp 65

Armfield & Diedrich opened the observatory
Dr Douglas, Prof. Phillips, Miss Royt, Mrs Royt
and Mrs de la Ruelle were society visitors.
John Gibbons & Boy scout troop # 31 were
guests. Also many of the general public.
Sky started to fuzz over at 10:00 PM. By
10:30 PM the sky was rotten. Temperature 65
at 10:40 PM clouds coming in from southwest,
closed the observatory at 10:45. Daniel Moore &
party arrived shortly before closing time.

Aug. 23. Temp 65.

Halbach in charge. Arrived with Schmid at
8:00 PM. Clear but moist. Clouds began to
appear at 9:30. Herman Schmitz & Dorothy
Schneider talked with WQCV - Adams, Minn.
from 9:00 to 10:30.

Halbach M.S. - 91

Left at 11:00

Schmid M.S. - 27

Clouded up tight

Aug 23 - Needham arrived 11:15 -
cloudy, waited till 12:00 still cloudy
left. Observations none.

Aug 24: Albrecht and Diedrich arrived
at 7:55 Temp 55.

Monthly Serial 3741
Monthly Serial 68 Dh

Saw 15.114.
Both Saw 7.1 nebulae.

Left at 3:15 Temp 49.

X

August 27-38 Prinslow and Diedrich arrived at
8:45. Temp. 65 3:20 Temp 59.0

Prinslow Mosaic #50 } NE 7.1
Diedrich " " #87 }

Aug 28-29 Albrecht arrived at 7:50 Temp 66.
Quit at 9:00 M.S. #47.
RXLYRAE > 14.5 Temp 64

Aug 29 cont Prinslow
7:30 PM to 10:35 PM

Oil drive, small bearing is tight in case will have
to be changed.

R. Hayes.

(Aug 29) E. Halbach 14:00 to 16:15 M.S. 112
Was cloudy until 18:00. Clear till dawn Temp. 52

→ Aug 27 (Sat) Prinslow Diedrich } 9:00 - 5:00
Halbach Hayes }
Moose Albrecht }
Livingston Grumwald }
(and friend)

Cut grass, erected north antenna pole, and
finished filling in lower obs. with dirt.

Aug 31. Wed. Albrecht, Diedrich and Kuziak
arrived at 8:00 Temp. 65 - 63.
Albrecht M.S. 52. Light shut at 9:15
Diedrich M.S. 93
Kuziak M.S. 10.

Sept 3
 Prinslow
 Halbach
 Moore
 Albrecht
 Dave M.

9:30 - 5:00

 Hauled sand around observatory.
 Cut down driveway.

 8:45 - 10:00 Halbach, Diedrich, Kenziak. showed
 around a group of visitors. Observed variables
 until 14:30 Temp. 63° - 60°

Halbach - MS. #35

Diedrich - MS #28

Kenziak - MS. #8

Sept. 5, 1938
 Albrecht
 Moore
 Dave Moore
 Diedrich
 Halbach

9:00 - 4:30 (Temp. 60-58)

 Completed the cutting down of
 driveway. Planted group
 of gooseberry bushes south-
 east of obs.

10, 1938

 Moore
 Halbach

9:30 11:30 A.M

 Repaired door on outbuilding
 " " motor drive

 Halbach - Grunwald 8:00 - 10:00 P.M.
 Install repaired Bearings on drive - Install
 Bazel on clutch of index stars. Put springs
 on slit mechanism + adjust

2478 Sept 10-1938 Temp 61.5 at 11:25 P.M. 67

Prinslow - MS-3
Diedrich - MS-30
Kenzick - MS-10

9:45 PM to 11:30 P.M.
Full moon & Fog

Sept. 11 Temp 69°F at 10:00 P.M.
moon just past full - partly cloudy
Prinslow arrived 10 P.M. - in charge.
Needham " 9:20 P.M.

Prinslow left 12:05 - Observations 1 - MS-4
Needham left 13:00 - Observations 1 - MS-1
Completely cloudy and lightning. Temp 68°F

Sept 12-38 Temp 60°F
Prinslow 7:30 PM to 10:20 PM
Haltuch
magges 12 visitors

Sept 14-38 - Wed - Temp 57°F - Wind N.E.
Needham arrived 10:15 - left 13:15 - Observations none
Clear at 9:20 at Greendale - cloudy here at 10:15
Wanted an hour but still completely cloudy
As I was leaving I noticed "Aurora Curtain" in
north - cleared up so I stayed - Aurora quite
bright - Greenish shafts extended from N.W. to N.E.
Aurora still very prominent at 13:00 - clouds
rolled in again so I left for home.
Observations - 4 MS-5

In observing R. Lutei near horizon - atmospheric
very soupy - difficult to estimate very closely
temp. 60°F at 20°F

Sept. 17

Kenzick	} 1:00 - 5:00 PM.
Abrecht	
Grunwald	

Cut grass & repaired leak at bottom of slit opening.

Prinslow	} Brought in a load of flag stone for
Halbach	
Wages	

walk from Landon.

Sept 18 - Sunday - Temp 44°F - Cloudy
 Needham arrived 7:45 - Swept floor etc.
 Cleared Greendole at 7:15 - Cloudy fog at 7:45
 Went till 9:30 for it to clear - no luck - left.
Repairs needed: Dove went more to the right.
 The lower left corner of slit - hits against
 those small wheel brackets that are inside
 above the regular dove wheels - Please
 check.

Sept. 20 - Temp - 43° - 40°F

Halbach MS. 63

13:30 to 16:45

(First really clear night since Sept 3. Rained every day since.)

Sept 22 9:30 p to 11:00 PM.

Prinslow & 2 visitors from Pittsburg

Sept 24 - Halbach, Ball & Ball started flagstone walk; aerial pictures

Sept 24 - 1938

Ray Ball	} Load 10 ft gravel	Temp 65°
John Ball Jr.		
Halbach		

and took aerial photographs of Ob.

Prinslow

AR Ball	Monday 10
Diedrich	" 45
Kenzick	" 16

8:30 to 14:15 (Temp 46°)

2478 Sept 25, 1938 = 7:15 PM to 10:30 Temp 52°
9167 Wind - Calm
Needham - seeing fair - TONNE - 27 MS -
P. R. Ball arrived 8:45 PM, left 10:40 Monthly 17
Last observation 15.15 - seeing fair; not over 13.4 a
Three new maps sure came in handy.
Fog is covering all the surrounding territory.
~~Sept 26~~

Sept 26 - 1938 7³⁰ PM to 10³⁰ PM Temp
Prinslow Open House 9 Visitors
sky Fair seeing 13.5 MS 1

Sept. 28 - 1938 Wednesday Temp 4
Open House for Mil Eng. Soc.
50 cars about 125 visitors
sky very poor

Haltack - mages
airfield - J Ball Jr
Prinslow - Dr J Ball

7⁰⁰ PM. to 10:30 P.M.

Albrecht arrived at 10:00 - 5 observations. very
Left at 12:15. Temp 49.

John Ball (Jr.) Arrived 7:30 after open house & ch
soggy and cold. Bah! Home and bed 12:15.

Sept 29. Joe Schmitz on 'Air' 9:00 - 10:15 P.M.

Temp 50°

Excessive
humidity

Halbach and Magee brought out some
furniture for proposed shelter.

Oct 1-38 Prinslow

8:00 PM to 1:00 AM

Working on maps. Sky N 6

2 Stargazers in Vistas

8:30 - 11:00 AM. Halbach, A.R. and John Ball, Jr. laid
flagstone walk.

1:00 - 5:30 L. Prinslow helped to dig trench on
farm for power line.

Oct. 2, 1938 (Sunday) Temp. 65° - 52° F

9174

Matt Phillips and Halbach showed a
number of visitors through place.
Laid Halbach helped plant rockery around
south side of obs.

A. R. Ball arrived 6:55. Temp. 50° F

Showed a few sights to guests of Matt Phillips.

Needham arrived 7:50 - Ball at work

Ball left 11:15 - Month 8

Needham left 13:30 - Obs - 13 - MS-13

1 telescopic meteor - Needham

Oct 6-1938

Prinslow + 6 Visitors

8:30 PM to 11:00 PM

sky poor, about 12 m.

Oct 8-1938 10:00-6:15

Halladay, Prinslow, Ball ^{Moore} started installing power from basement to observatory and cellar.

Oct 9-1938 Halladay, Prinslow, Ball finished getting power from basement to observatory. Ball observed from 6:30-7:30. Monthly 14

Temp. 55°F Needham arrived at 7:30. Matt Phillips' guests arrived 7:30, Ball left 11:15 MS. 18 -

10-9-1938

Lecture by A. Armfield for a group of 35 friends of Mr. M. Phillips.

Prinslow - Needham - A.R. Ball in atten.

7:00 PM to 9:30 P.M.

Needham left 15:00 - Observations 21 - MS. 34 -

10-11-1938

A.R. Ball, John Ball Jr. arrived 6:45; sky cloudy; cleared about 8:15. Temp 62°F. TUL was observed at less than 11th mag; m.p. says it varies from 9.3 to 10.3.

Left at 10:50 A.R. Ball - Monthly 27

10-16-38

A.R. Ball, John Ball - Family

J.D. Ball - Monthly 9

1:30-1:40

one small group of sun spots
mouse in trap

Sunday 10-16-38 (2188) Temp 64 - sky mostly clear
 Needham arrived 6:00 PM Visibility fair - low clouds
 A.R. Ball arrived 6:40
 " " left 11:15 - Obs. Monthly 40
 Needham stopped observing 13:40 - Tonita total 29
 Swept floor + stairs and left 13:50. Monthly Serial 63

Monday 10/17-38

Ball arrived 7:05. Temp. 52°F. Quite foggy, sky completely overcast; reset mouse trap. Four visitors 7:45-8:45.

Left 9:45. Fog very heavy

Sunday Oct 23

Halbach - Cornwall - Pimslow

Finished wiring in cellar also top on main line
9:30 AM to 5:00 PM

Monday Oct 24 7:30 PM to 10:20 PM

Pimslow + A.R. Ball Temp 36

Pimslow opened bank in presence of Neelham
2 visitors Ant 115

Neelham arrived 9 P.M.

Aurora very noticeable up to about 45° - Very green

Observations until 17. M.S. - 80 -

Left 13:15 - Sky clear - Cold - Hands too cold to write

Tue Oct 25/38
Halbach

7:15 PM to 14:30 AM
Temp 50 & high wind.
MS - 63

Seibel 10:00 - 14:30 Worked on 8' scope

Aurora all night (not spectacular)

Wed. We Arrived at 7:30. Temp 46.
John Ball Jr. Hazy. Left at 12:30.
Wm-Albrecht. Temp. 42.

Note - please check field of Sauriga,
S. noted at 13th magnitude, minimum
given as 10.7 Both agree on this.

DB, Jr. W

Thurs - 10-27-38 Temp 39°F -
Needham - 9:30 - 13:30 - Route 22 - MS

Fri - 10-28-38 Temp 43°F Sauriga L13
Arrived 8:00 P.M., left 12:30. HR Ball MS. 47
John Ball Jr. MS. 24

Sat {10-29-38 Temp 39°F {Grunwald } 9:00
2429201 {more }
Halsbach } Rail walk
Repair

MS 11 Princeton } arrived 7:35 P.M. Left at 12:25 AM
Diedrich }

MS-12 Sky closed up tight at 12:18 AM

Sun. 10/30-38 Temp. 40°F

HR Ball - arrived 6:00 P.M. Left 9:15 - M.S. 57

Matt Phillips 6:00-6:15

NOTE: Why do the "d" and "e" mops of Nov. Pers. II (032443) show stars
at some distance apart when one is supposed to be on twice as
large a scale as the other? (Add)

Fog completely obscured sky 8:45

MONDAY 10-31-38 Temp 45°F

Approximately 60-75 members of the Maintenance
Engineers were guests of the A.A.S. Grunwald, Princeton
& Armpfield conducted the demonstration. D. Moore and also
Visibility fair, fog & haze impaired seeing for
clusters & nebulae. Planets & more good.
Clouds at 10:30 P.M.

Nov. 1, 1938

E. Halbach

Temp. - 57°

8:00 - 12:00

M.S. 14

C. Schenke

" "

M.S. 8

H. Seiboe

10:00 - 12:00

M.S. 6

Intermittent clouds all evening.

Nov. 2, 1938

Temp. 60°F

A. R. Ball - arrived 6:40, M.S. 14:30 - M.S. 17

John Ball Jr. " 6:40, M.S. 14:30 - M.S. 13

Thirty visitors 7:45 to 10:15; lectures by John Ball Jr.

Assistants: Prinslow, Halbach, Gurnwald, Albrecht

Albrecht - 6:50 - 12:30 - M.S. 8

Nov. 6.

Cooke & Halbach surveyed for corners
of property 11:30 - 1:30 PM (Rain)

Nov. 8.

Halbach	} MS. 25	7:45 to 11 PM
Schenke		
Seiboe	MS 10	9:30 to 11 PM.

Full moon - Temp 23°F Windy

Nov 9. Albrecht - 6:30 to 9:00. Temp. 39°F

Moon Almost full. Very Hazy. Temp. 38.

30 students with several adults were shown
moon and planets. 7:30 to 9:00

(By Albrecht, Halbach, J. Ball, Jr.)

Nov. 3 John Ball, J. Arrived 9:30,
left 11:45 - temp 60° 3 quarts.
all soup - no obs.

Nov 9. John Ball, E. Halbach, St. Albright
a group of 38 school children and
adults were entertained, plus 5 more by
J Ball, Jr. Passes seeing, sometimes no
at all. Albright left 19:00 P.M.

Ball left 11:45 2 obs + temp 38
soup 40

Nov 12. 1938.

Graveled road. also Dages,
Phillips. Halbach. Moore. & Moore
Albright left 3:00 P.M.
Pondow 3:12 PM 3:30 PM

Sunday, Nov. 13, 1938

Needham arrived 4:40 - 6 hrs temp 33°F. Strong W.

A.R. Ball 7:10 - 9:40 - To night - 9; M.S. - 26

Needham left 11:45 - Obs 20 - M.S. 20

Temp 22 - -

R. Curigal is less than 14 - map has minimum

Monday, Nov. 14, 1938. Temp 24°F

AR Ball 7:00 - 9:45 - To night - 2; M.S. 28.
7:45 John Ball Jr arrived with 5 boys from Riverside H.S.
8:00 - Soup; hung around till 9:45.

Wed., Nov. 16, 1938 — Temp. 38°F Zenith clear, horizon cloudy;
rather windy.

Wobae — 6:00 — 9:00 alternate clearing and clouding is
quite discouraging. 10-night — 8; M.S. — 36

Saturday Nov. 19, 1937 — Primelow and Diedrich
arrived at 9:15 Temp. 38°. Strong W. wind.
Kendall brought 3 out-of-town visitors,
we allowed them 15 minutes at the 13"
dural light at 2:30 A.M. Left at 3 o'clock
in the morning. Temp. 31°
Primelow — 15 Diedrich — 16

11/20 Sunday 1⁰⁰ PM to 6⁰⁰ PM

Trouble on power line. meter at
farm ran with all load off. Disconnected
cellar — then underground cable — Light
drive all OK Finally found trouble
in service pipe going into Observatory.
wire is grounded in conduit.

is connected same and ran wire through
window. Connected cellar & underground
up temp. Primelow

Wednesday November 23, 1938

J. Balluff arrived with 5 Kujtman at 9:20. Temp
sky cloudy - cleared by 11 good seeing.
left 13001 sky getting cloudy, poor seeing
8 obs 9m. S. 23 + imp 19

Monday Nov. 28 - 1938

Needham arrived 10 PM - all quiet (except)
Very strong SW wind temp 30°F - seeing good
Visitor from Merse Dept arrived - John B. I.
showed him some of the highlights - Saturn -
Uranus - "Beehive" Orion - left at 12 PM -
Wind blowing like "fury" - still blows down
around -

Forster's observations 13 - m. S. 33 - Quality no
quantity trouble - saw Neptune in ~~24/58~~
Saw two telescopic meteors { RA 11h 36.5
in same field about 20 seconds { Dec +20° 58'
of time apart - in same direction { nice image
see back of data sheet for information -
also X Leonis seemed to me to be 13.5
according to map unless there is an
unmarked star above the 13.5 that isn't
Motor for drive sings herself a song
often - sounds like a canary ~~so~~ D. J.
"Dance with the wind" at 15:30 -

Tuesday Nov. 29.

Halbach arrived 6:15 PM. Temp 30°. No wind

4 visitors 8-8:30 PM.

Oiled Needhams - "canary" in drive.

MS. - 76 Left 12:45 PM. Temp 26° Clouds

Sat. Dec. 3, 1938

Brinslow, Grunwald, Halbach, Corke & Moore hauled out the shelter Bldg. last night.

9:00-2:00 Corke, A.R. Ball, Moore, Halbach, C. Hath, C. Siegel erected the shelter Bldg. in a cold rain. Temp. 33

Dec 3-38 Brinslow and Albrecht put switch and meter on pole.

10⁰⁰ AM to 6³⁰ PM.

Dec 4-38 Halbach and A.R. Ball installed Ball's stove in shelter Bldg. ✓
10:30 a.m. to 12:00 M.

Sunday Dec 4-1938 Temp 36° - Wind N.W. strong
Needham arrived 10:30 P.M. - Partly cloudy - Clear at Greendale at 10 P.M.
Left at 11:30 - Completely cloudy - Observations none -
Slept upstairs for a change - who eats Hershey bars?
"Looks like a warm winter night door"

Sunday Dec. 11-1938 Temp. 28°F Very strong Wind W by N.
Sky slightly hazy.

Fall 7:25-10:00

Sky clouded over immediately after arrival, then cleared; a fine sky from 8:30 to 9:30, then cloudy again. 5 obs. - M.S. 5
Apparently quite a bit of work done nest down which was not logged.

Sunday Dec 11-1938 Wind NW
Needham arrived 1250 - 19°F
Observed till 16:00 hours
Left 16:20 - Obs 22 - M.S. 22
Plenty chilly tonight - 17°F -
Leaving was excellent -

2478 Monday Dec. 12, 1938 21°F Mild N.W. Wind

fall 7:25-9:45 Cloudy; no observation
one visitor. Note: wood in basket is wet and
should be dried on stove before being used; wood
in bucket is OK

Wed. Dec 14. TEMP 2° Strong N.N.W. W.
Albrecht Arrived at 7:00. Extremely cold
observing. Went Home at 9:00.
So cold I can hardly write.

Wed Dec 14 J Ball, Jr arrived 14:03 too
of frankly too cold to observe so after 5
clock. etc, left at 14:31. J.

Thursday Dec 15 J. Ball, Jr stopped in
to sh... + SS egg temp 19 but still
~~xxxx~~ ~~xx~~ ~~xxxx~~ - J.B.V.

Saturday Dec. 17 Hallach, Cooke, Grunwald, Albrecht put more celotex
Albrecht helped in P.M. and stayed afterwards 5:30-7:15; 9 observations - H.S.
One hour work with 10 minutes in shed seems fairly satisfactory. Slight N. wind
temp 13°F when I left.

Wed. Dec 21. Albrecht arrived at 6:50.
Temp. 20°F. (Warm compared to last)
No Wind. Left at 11:00 Temp. 1

Thursday Dec 22 Cooke, Magee, Hallach were
on shelter bldg. putting in celotex and window
casings. 9:00-5:30 Season's first snow
started in afternoon.

Sat. Dec 24 Halbach & Brinslow connected
service leads to shelter bldg. and worked on
window frames. 10:00 - 5:00 (Sunny day with
temp about 32°)

Dec 27. Tuesday Halbach and Dietrich.
7:45 - 12:45 alternated at observing and
keeping warm around stove. High wind
with temp. at $+1^{\circ}$ at start and -3° at
finish. (Zeit is in Fahrenheit degrees)
Halbach # 22 Dietrich # 5

Wed Dec. 28 Halbach - A.R. Ball fixed windows
in shack and painted steps. S.E. Wind.
Temp. $+7^{\circ}$ F at 9:30 $+16^{\circ}$ F at 5:30