M.A.S. Observatory staff:               July 5, 1939.

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.

Phone Bluemound 4039.              Address - 544 - No. 54th, Street

S. M. Reinslow.
Observer in charge. Paul Jones.
Arrived at 9:00 P.M. 4-5-38
Clear " " Temp. 58°
Left at 3:00 A.M. 4-6-38
Cloudy in the east at 3:00 A.M. 4-6-38
22 Var. star obs. made.
Last monthly serial # 123

Tom Smith
Arrived at 9:00 P.M. 4-5-38
Left at 11:50 P.M. 4-5-38
9 Var. star obs. made.
Last monthly serial # 32
Last yearly serial # 1

George Shoke
Arrived at 9:00 P.M. 4-5-38
Left at 3:00 A.M. 4-6-38
18 Var. star obs. made
Two telescopic meteors.
Last monthly serial # 119
Last yearly serial # 533

Mr. and Mrs. A.R. More of Chicago came to see the Observatory at 9:15 P.M. Showed them the equipment and let them look through the 13". Informed them our Observatory program, and that they and their friends would be welcome every Monday evening from 7:30.

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 decreasing.  Temp. - 62
Joe Schnitz operated transmitter 9:00 - 10:00
Two visitors were shown moon

11 variables - Monthly total 27 - Yearly serial
Lift 11:30 - Cloudy - Temp. 62

7-5-38  E. A. Meekham  
Arrived 10:05  Left at 11:25 P.M.
2 var. star obs. made
Monthly serial # 4  Yearly serial #

7-5-38  E. A. Meekham  
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. Schmidt  
Arrived at 9:00 P.M. with Ed Halbach, left 1:30 AM 7-6-38
3 variable star observations
Monthly serial # 3  Yearly serial #
July 8

C. M. Princetone
Arrived at 10:30 A.M.
D. Livingston & David Saxon working on 8".

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

Last monthly serial #12.

F. Case (001753) red variable seemed fainter than either.
Hallock's or Princeton's estimation. Couldn't convince myself otherwise.
They gave 8.5 & 8.3 respectively.

E. Hallock
Arrived 12:50 A.M. 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. Hallock began
working 9:30 A.M., Left 5:30 P.M.

Installed sync. drive motor (with my aid).
Moved down.
Put oil cracks in dome and primed about 1/3 with
second coat of Al. paint.
Oiled dome quite while a worker on dome stood to
make dome turn easier. Edits.
July 9 - Cont'd

D. Moore, Halbach, Dedrick came out to tend instruments for members of Miles Biological Society. Group arrived at 10:00 and left at 11:00 (about 15 in group)
Halbach - 1 variable - Monthly serial #40 Left at 11:00
Clouds came up so closed at 10:15

July 10

Jim Earl E. Headlam 6:45
Arrived 12:30 - slept till 2:30
Teried - floor too hard

July 10

C. W. Pinslow 12:30

2:30

Pinslow back
Told to help till for
Halbach
Medikus Phillips 60 ft. pole for antenna mast

July 11

Open town. Dr. Ball lectured.
Dr. J. D. Bell, R. Bell, E. Halbach in attendance

July 12-38

12:30 to 14:30

9 Visitors - C. W. Pinslow in attendance

July 15

Cowie, Pinslow, Halbach and Madjier

Repaired radio drive - 9:00 - 12:00 P.M.
Several visitors.
July 16, 1938
Eche, Moon, A.R. Bell, D. Livingston
9:30 - 5:00 PM. chained 60' poles, finished painting dome.

Halden, Cooke, Prinoslaw
1:00 = 6:00 P.M. Completed motor drive repairs.

July 17, 1938
Moon: Bright Temp 65°
Cloudy after 11:30.

Rain: In at 9:00 PM Left at 11:35 PM Monthly 9

Halden: 9:30 12:00
Bell: 10:15 11:40

8:15 - 11:00 Helping wood at clock 8° Monthly 2
Wind: 7 45 PM to 11:00 PM Open House.
R.D. Bell lectured to about 40.
E. Halbach showed constellations to part group. Observed until
Halbach's Kenji at 13°

19
Temp 60°

Halden and Schmidt arrived at 9:00 and worked on transmitter.
Needham arrived 9:25

Needham and Halbach observed vanishes between the
hazy clouds until 11:30 PM - all left.

Halden: Left 11:40

Left 11:40
July 20. Albert and Ball arrived at 8:30 A.M. Temp. 54.
W Aquilae was 14.2. Wag Flamstead's map. Left at 12:00 P.M. Temp.

July 21. C Mt. Wilson
8:30 P.M. Temp. 67° Sky overcast unable to see 12m star.
Working on map corrections.
Left at 10:20 P.M.

Arrived 10:30 P.M. Sky overcast. Observed transit of a satellite of Jupiter. Temp. 57°
Left at 12:00 midnight sky overcast.

July 23. Saturday. Clouds in mornig - Cool
Wenner after lunch

3. Dunwell
7. Eadeh
7. Byrnes
7. Halloway
7. Becker
5. Livingston
3. Albracht arrived at noon - left at 4:00 P.M.
Dunwell left at noon.

Halloway, Diedrich & Kenziah (arrived 9 P.M.) left 3:00 A.M.
Prof. Phillips stopped in about 11 P.M.

July 24. C M. Denison & P. N. 7 3
Sky present out at 1 A.M.
July 25

Radio cooperation for Delta Aquindat station with W9KBT at Dema Center. He cannot help.

H. Gunwald took care of visitors.

Closed at 15:20. — Cloudy. Temp. 67°F.

Telegraph in at 10:40 P.M. out at 2:40 P.M.

and the 8" Tel. building unlocked.

July 28-29

J. Schmidt spent at 10:00 A.M. setting up
A. R. Bell
R. A. Schenck
H. E. H. Schenck
E. H. Bell
J. A. Smith

Albert, Gunwald, Moore and Amfield plotted
Albert & Gunwald retired at 14:00 hours

Moore recorded time for plotting until 13:30
after which Moore took over

Bell, John & A. R. continued until 15:25

Hallbeck, Painthorpe, Oakley and Seabrook

moored the motor sloop.

Duplicate plotting stopped at 15:05 hours.

Moore, Bell & A. R., John and Amfield

closed Hanoverly at 15:25.

Temperature at 15:15: 50°

Stay excellent all night.
August 1, 1939

Observatory opened by Bunslow and Arnfield; Halbach and Grunwald took care.

Temperature at 11:00 AM 71° Sky clear and smooth.

Sunrise near Horizon. Rather good aurora display to 10:45 PM. Bright detached streamer about 30-50 from Vega through Mercury. No visible streamer from 12 to 12:45 AM. All but Halbach left at 11:00.

Halbach observed variables. — Lift at 12:30.

Temper of high wind.
August 2

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

Beautiful night - temp 74°-70°

Monthly serial -

<table>
<thead>
<tr>
<th>Name</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Halbach</td>
<td>56</td>
</tr>
<tr>
<td>Schmidt</td>
<td>7</td>
</tr>
<tr>
<td>Seibold</td>
<td>2</td>
</tr>
</tbody>
</table>

Ruhloff, Clink left at 13:00

Halbach, Schmidt, Seibold left at 16:00

T. C. Needham - arrived 11:20

Left 2 A.M. 3 variable observations last monthly serial #3 - yearly?

August 3

AB Ball and John Bell Jr. 9:00-10:15 Temp. 77°F

Entire sky cloudy - no stars

10:30 Clouds parted; worked till 12:30 when Halbach arrived and guests. Bright Aurora arch

Aug 7. Grinslaw & Halbach repaired trouble in powerline. Noon to 2 P.M.
Halbach & human density worked on shelter cable until 6:00 P.M.
Aug 8. Albrecht arrived at 7:45 P.M. Temp was 66. Clear except for few clouds in west. Left at 9:00.

Halbach, Joe & Herman Schmitt arrived at 8:30 & worked on oscillator signal in transmitter. Left at 9:30.

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

Needham arrived 10:15, made 2 variable observations. Sky clouded up somewhat. Monthly sensor left 12:30 - all.

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Aug 9. Tabbott, Primlow & Brunwald -

Aug 11-12 Jack Schmidt, 10. Moore, David Moore arrived at 8:45. Temp 60.

Primlow, Needham, Keizer, Joe Schmitt, Heckenkamp, Mrs. Primlow, Daughters, Tabbott, Rubloff, Ostern, Bode.

Crossfield arrived prior to midnight.

Primlow, Schmitt, Keizer, Primlow & Crossfield plotted.

Joe Schmitt opened the station, Needham at 8:30 according to Tabbott.

Taffet, Moore, presented. Heckenkamp produced hatred for a while.

Madison signals in the mind 12:00 to 13:00, no sail from Madison at all from 13:00 to 14:25.

Plotted from 13:00 to 14:25. Signed off 14:25.

Temperature 55°.

---

Halbach, Diederich, Katz, Mayes & R. Cook Jr. were at the cooperating station at Yubco, Ore.

10 miles north of Madison.
Aug 13-14-19  Temp 69.5

Menston 9:35 PM to 15:05 Monthly Senl #10

Vanilla star. Clear.

George Diduck 9:35 - 15:08 Monthly Senl #4

The Kerships 9:34 - 15:11 II II #4


1:30 - 5:30

Albrecht and More prepared and painted two long antenna poles and set clubs for north west.

Aug 17. Temp 66 - 64

Arrived at 7:40. 12 variables.

Quit because of moon. 10:30.

Wm Albrecht

Aug 18. Lunemund & Kolbuck - Painted poles white.

8:30 to 10:36 A.M.

18. Armfield, Holbrook & Schmidt opened Observatory at 8:20 PM. Rudolph waiting to get in. Temperature 67°.

Weather been reported at 9:15 PM.

Neelham reported at 10:00 PM.

Visitors arrived at 9:30 and stayed until 10:15 PM. Showed them the Season Cluster and the globular cluster in Herc (MR) in 13"-inch. Jupiter & other objects showed them in 8-inch.
Two of the visitors took the $2,000 members in the society. Hallbach collected through. Heschke and Armfield resume observation at 10:15. Needham pulls off Schmied observed with the 8-inches. Heschke and Armfield lift at 12.

Needham lift 14:10
7 observations made monthly serial 14

<table>
<thead>
<tr>
<th>Heschke</th>
<th>MS-81</th>
<th>Lift at 16:00</th>
<th>Temp. 61°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schmidt</td>
<td>MS-22</td>
<td></td>
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</tr>
</tbody>
</table>

Aug 19-38 Temp 70°F very windy at 11:30

C M Prinlove 8:00 PM to 11:15 PM
Monthly serial #18

D. Diederich " #25
M. Kieziak " #8

Aug 20. Moore, Drummond, Hallbach and Allrecht, 9:30 AM to 3:30 PM. - gave antenna mast a coat of paint. Mound, raked and removed leaves. Repaired small Ford truck and hauled a load of fill into the Billy.


<table>
<thead>
<tr>
<th>C. M. Prinlove</th>
<th>12:00 PM to 16:30 PM</th>
<th>#33</th>
</tr>
</thead>
<tbody>
<tr>
<td>G. Diederich</td>
<td>&quot;</td>
<td>#40</td>
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</tbody>
</table>

Temperature 59°F.
Closest sky since erection of Observatory.
August 22 - Temp 65
Rainfield & Diederich opened the Observatory
Dr. Douglas, Roy Phillips, Mrs. Royt, Mrs. Royt and Mrs. de la Ruelle were Society visitors.
John Jefferson & Boy Scout troop # 31 were
guests, also many "general public"
Sky started to fuzzy 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. Laurel Mann &
party arrived shortly before closing time

Aug. 23. Temp 65
Halbach in charge. Arrived with Schmidt at
8:00 PM. Clean but moist. Clouds began to
appear at 9:30. German Schmidt & Dorothy
Schneider talked with WQCV - Adams Mann
from 9:00 to 10:30.

Halbach H.S. - 91 Left at 11:00
Schmidt H.S. - 27 Clouded upright

Aug 23 - Needham arrived 11:15
Cloudy, waited till 12:00 still cloudy
Left? Observation zone

Aug 24: Allott and Diederich arrived
at 7:55 Temp 55. Monthly serial 37W
March 31, 68 Oh
Both saw 7.1 meridian
Left 3:15 Temp 149
August 27-28 Pimslaw and Diedrich arrived at 8:45. Temp. 65

Pimslaw M.S. #50 NE 7.1
Diedrich M.S. #87

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

Aug 29 7:30PM To 11:35PM
Oil drum, small bears, is tight in roof well have to be changed.

Aug 30 El Halbach 14:00 to 16:15 M.S. 112
Was cloudy until 11:00. Clear till dawn Temp. 52

Aug 31: Wed. Albrecht, Diedrich and Hugiaiek arrived at 8:00 Temp. 65-63.
Albrecht M.S. 52. Fight shift at 9:15
Diedrich M.S. 93
Hugiaiek M.S. 10.
Sept. 5, 1938  |  Albrecht  |  9:00 - 4:30 (Temp. 60-58)
            | Moore      | Completed the cutting down of driveway. Planted group of gooseberry bushes—south of abs.
            | Dave Moore |            |
            | Didrich    |            |
            | Halbach    |            |

10/1/38     | Moore      | 9:30-11:30 A.M
            | Halbach    | Repaired door on outbuilding
            |           | "  motor drive"
Sept 10 - 1938
Temp 61.5 at 11:25 P.M.
Prinsloo - MS-3
Fredrick - MS-30
H. Knozick - MS-10
9:45 PM to 11:30 PM.
Full moon + Fog

Sept 11
Temp 69°F at 10:00 PM
Moon just past full - partly cloudy
P. Needham arrived 10 P.M. - in charge

P. Prinsloo left 12:05 - Observations 1 - MS-4
H. Knozick left 13:00 - Observations 1 - MS-1
Completely cloudy and lightning. Temp 68°F

Sept 12 - 38
Temp 60°F
7:30 P.M to 10:20 P.M
P. Prinsloo
H. Knozick
M. Haynes
12 visitors

Sept 14 - 38
M. Needham arrived 10:15 - left 13:15 - Observations 4
Cloudy at 9:20 at Greendale - cloudy here at 10:15
Wanted an hour but still completely cloudy.
As I was leaving I noticed "Aurora Borealis" in
north - cleared up so I stayed - Aurora quite bright. Greenish shafts extended from NW to E
Aurora still very prominent at 13:00 - 6 clouds
rolled in again so I left for town.
Observations - 4
MS-5

In observing R. - huts near horizon - atmosphere
very sore - difficult to estimate very closely.
Sept. 17

Kuzich

Albracht

Gruendorf

Pirklauer

Prinslow

11:00 - 3:00 PM.

Cut grass & repaired leak at bottom of slip opening.

Bought in a load of flag stone for Maggie.

Sept 18 - Tuesday - Temp 44° F - Cloudy

Needham arrived 7:45 - Swept floor etc.

Clear & Shrendel at 7:15 - Cloudless at 7:45

Went till 9:30 for it to cool - no luck - left.

Repairs Needed: Stone won't move to the right.

The lower left corner of drain hits against those small wheel there - help that are inside above the regular large wheels - Please check.

Sept. 20 - Temp 43°-40°

Hallbach 115 63

13:30 to 16:45

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

Sept 22 - 9:20 p.m. to 11:45 p.m.

Prinslow & 2 Guests from Pittsburg

Sept 24-1938

Ray Ball went to golf and took aerial pictures of Hallbach - photographs of 0.

Prinslow

A. R. Ball Monday 10

District 45

Kuzich 16

Sept 24 - 1938

8:30 to 11:45 (Temp 65°)
Sept 25, 1938. 7:15 PM to 15:30 Temp 52
Wind - Calm
Needham - seeing fair - TONITE - 27 YDS.
P.R. Ball arrived 8:15 PM, left 10:40 Morning 17
Last observation 15:15 - seeing fair, sun over 13.4
These new maps are great in handy.
Fog is covering all the surrounding territory.

Sept 26-1938 7:30 PM to 10:30 PM
Temp
Princeton - Open House. 9 Visitors
Sky Fair seeing 13.5 MS/

Sept 28-1938 Wednesday
Temp 7
Open House for Mil Eng. Soc.
50 cars about 125 Visitors.
Sky very poor.

Hackett - Magee
Amfild - J Ball Jr.
Prislon - Dr J Ball
7:00 PM to 10:30 PM.
Albright arrived at 10:00. Observation very
Left at 12:15. Temp 49.
John Ball (Jr.) Arrived 7:30 other open house 4:30
Soggy and cold. Bob! Home and bed 12:15.
Sept 29. Joe Schmidt on "Air" 9:00 - 10:15 PM.  
Temp 50°. Excessive humidity. Halbach and Mages brought out some furniture for proposed shelter.

Oct 1-3.8 Prinslow.  
8:00 PM to 1:00 AM  
Working on maps. Sky N.  
2.5-21/2 inches of rain.

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

11:00 - 5:30  
Prinslow helped to dig trench on farm for power line.

Oct 2, 1938 (Sunday) Temp. 65° - 52° F  
Matt Phillips and Halbach showed a number of visitors through farm and Halbach helped plant hocky around south side of Abs.

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, 9.

Needham left 13:30 - Omer - 13 - MS-13  
(3 telescopic meteor - seen him)
Oct 6 - 1938
Punslow + 6 Visitors
8:30 PM to 11:00 PM
Sky poor, about 12m.

Oct 8 - 1938
10:00 - 6:15
Halladay, Punslow; Hall started installing beam from basement
to observatory ceil.

Oct 9 - 1938
Halladay, Punslow; Hall finished getting beam from
Annex to observatory, Hall observed from 6:13:00 to 7:30:00. Moon, 14
Temp. 55°F. Needham arrived at 7:30. Matt Phillips guest, arrived 7:30,
Baal left 11:15 AM

Oct 9 - 1938
Lecture by A. Armfield for a group of
35 friends of Mr. Phillips.
Punslow - Needham - AR, Baal in atten.
7:00 PM to 9:20 PM.
Needham left 15:00 - Observations 21 - 35:34 -

10 - 11 - 1938
A.R. Ball, John Ball Jr. arrived 6:45, sky cloudy, cleared
about 8:15. Temp. 60°F. TVL moon was observed at less
than 11th mag., with apparent time from 9:15 to 10:30.
Left at 10:15. AR Ball, Monthly, 37

Oct 16 - 1938
A.R. Ball, John Ball Jr., family 1:30 - 1:40 morning in town.

Sunday 10 - 16 - 38 (2.15) Temp. 64 - Sky mostly clear
Needham arrived 6:00 PM Visibility fair - some clouds.
A.R. Ball arrived 6:40
left 11:15 AM - Usual, Monthly 40

Needham stopped observing 13:40, total 28.
Monday Oct 23

Hallbach - Criminal - Prismlon

Finished wiring in cellar also tap on main line 9:30 PM to 5:30 PM

Sunday Oct 23

Monday Oct 24 7:30 PM to 10:00 PM

Prismlon + AR Ball Temp 36

Prismlon opened bank in presence of Wielham 115

Wielham arrived 9 PM.

Aurora very noticeableupto about 750 - very green

Observations made 17 MS 80

Left 13:15 - very clear - cold - hands to cold to write

By Oct 25 7:45

Hallbach Temp 50 (high winds)

MS - 63

Seidel 10:00 - 14:30 Worked on Boge

Aurora all night (not spectacular)
Wed. We arrived at 7:30. Temp 46.
W. Albert St.

Weather: Snow field of S Amsig,
S. wind at 13th magnetic, minimum
from as 10.7. Both agree on this.

Mar 27-38 Temp 39°F

Medham — 9:30 -13:30 — Route 22-MS

Fri. 10-28-38 Temp 41°F

Arrived: 8:00 A.M., left 12:30, ARBall. M.S. 47
John Ball Jr. M.S. 24

S Amsig 413

Sat. 10-29-38 Temp 39°F

[Diary entry]

[242920]

Mar 11 Pulmonary, arrived 7:35 P.M. Left at 12:25 A.M

15-12 Sky closed up light at 12:18 A.M

Sun. 10/30-38 Temp 40°F

ARBall. arrived 6:00 P.M. Left 9:15 — M.S. 57
Matt Phillips 6:00-6:15

Note: Why do the "d" and "e" make of NPS. (032443) show stars
because distance apart when one is supposed to be on twice as
longer scale as the other? Well

Fog completely obscured sky by 8:45

Monday 10-31-38 Temp 40°F

Approximately 60-75 members of the maintenance
engineers were quite of the NPS. American feather
& arm field — conduct the demonstration. Demonstration
visibility fair, fog at home improved seeing

(Morse, T. 15, 18-20)
Nov. 1, 1938

E. Halbach 8:00 - 12:00  M.S. 14
E. Schenke
H. Seiloe 10:00 - 12:00  M.S. 6

Intermittent clouds all evening.

Nov. 2, 1938  Temp. 60°F

A.R. Ball - arrived 6:40, left 11:30 - M.S. 17
John Ball 6:40, left 11:30 - M.S. 13

Thirty minutes 7:45 to 10:15; lecture by John Ball Jr.

Assistant: Prümer, Halbach, Gurnward, Albeck
Albeck - 6:50 - 12:30 - M.S. 8

Nov. 6.

Coster and Halbach surveyed for comets of 1938, 11:30 - 1:30 PM (Rain)

Nov. 8.

Halbach 7:45 - 11 PM
Schenke 7:45 - 11 PM
Seiloe 9:30 - 11 PM

Full moon - Temp. 23°F  Windy

Nov. 9.

Albeck - 6:30 to 9:00  Temp. 39°F


30 students with several adults were shown

moon and planets. 7:30 to 9:00

(By Albeck, Halbach, J. Ball, Jr.)
Nov. 3. John Bell, I. arrived 9:30, left 11:45 - tent 600 - 3 quarts all soup - no abs.

Nov. 4. John Bell, E. Halbach, W. Albright.
A quack of 35 school children and
by 2 P.M. I was seeing, sometime no.
I left all at 5:00 P.M.
Bell left 11:45 - obs. 1PM - soup of.

Nov. 12, 1938.

Travelled road. Also Spages.
Albright left 3:00 P.M.

Pindlov 3:15 PM 3:30 PM

Sunday, Nov. 13, 1938
Needham arrived 4:40 - clear. Temp. 33°F. Strong W.

A.R. Bell 7:10 - 9:40 - tonight - 9, M.S. - 26

Needham left 11:45 - obs 20 - N of S 20

Temp 22-

R. Chiriges is less than 14 - map less maximum.

Monday, Nov. 14, 1938, Temp 24°F

A.R. Bell 7:00 - 9:45 - tonight - 2, N of S 28.

17:45 John Bell arrived with 5 boys from Riverside H.S.
8:00 - Soup, hung around till 9:15.
Wed. Nov. 16, 1938 - Temp. 38°F. Clear, sunny, cloudy, wind from N.E.

9:00 - 9:30 Alternate cleaning and dusting is quite discouraging. 10:00 - 8:00, 11-5, 36

Saturday Nov. 19, 1938 - Prunem and Doolack arrived at 9:15 A.M. 38°, strong W. wind. Kendal brought 3 not-of-town visitors. We allowed them 15 minutes at the 18" mirror. Left at 9:30 A.M., left at 5:00 P.M.

Prunem 15, Doolack 16

Sunday 1:00 PM to 6:00 PM

Trouble on power line. Meter at form ran with all load off. Disconnected cellar - then underground cable - light drive all OK. Finally found trouble in service pipe going into Observatory. Wires is grounded in conduit. Connected same and ran wire through window. Connected cellar of underground up temp. Prunem
Wednesday November 23, 1938

Lift 13 01 - sky getting cloudy, took picture & sat M.S. 523. Temp. 190

Monday Nov 28 - 1938

Needham arrived 10PM - all quiet here. Very strong SW wind temp. 30°F - seeing good.
Visitor from Lenedale Dept arrived - John 21 showed him some of the highlights - Saturn - Uranus - "Beehive" Orion - lift of 12 1770 -
Wind blowing like 'fug' - still blows down around -

Spirals observation 13 M.S. 33 - Quality
quantity - few Neptune in #88
now two telescopic meteors in same field about 20 seeds
in same apart - in same direction.
Back of data sheet for information -
also & Leonis seemed to me to be 135 according to map unless there is an
unmarked star above the 135 that isn't -

Motor for drive rings herself a song - "Beehive" on drive.

Tuesday Nov 29


Died Needham "canary" in drive.

M.S. 76. Lift 12 14 30 PM. Temp 26° Clouds
Sat. Dec. 3, 1938

Purslow, Brumwell, Halbach, Cooke & Moore hauled out the shelter bldg. last nite.

9:30-2:00 Cooke, A.R. Ball, Moore, Halbach, C. Keith, C. Siegel erected the shelter bldg. in a cold rain, temp. 33

Dec. 3-38 Purslow and Albrecht put switch and wire on pole.

10:45 A.M. to 6:30 P.M.

Dec. 4-38 Halbach and A.R. Ball installed Ball's stove in shelter bldg. 10:30 A.M. to 12:00 P.M.

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Sunday, Dec. 4-1938

Temp. 30° - Wind W. N.W. strong
Needham arrived 10:30 A.M. - Partly cloudy - Clear at Grindale at 10 P.M.
Left at 11:30 - Completely cloudy - Observation made.

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Sunday, Dec. 11-1938

Temp. 28° - Very cloudy - W. by S. W. by N.
Slight snow.

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Sunday, Dec. 11-1938

Wind NW
Needham arrived 12:50 - 19° F

Observed till 16:00 Hours
left 16:20 - 0.8 by 22 - M. 5 22
Plenty chilly tomb - 17° F -
Weather was excellent -
Monday Dec. 12, 1938  21° F  Mild N.W. Wind

Fall 7:25-9:45 Cloudy; no observation on mission. Note: wood in basket is wet and should be dried on stove before being used; no smoke in bucket in 6:25.


Thursday Dec 15. J. Ball, Jr. stopped in to shoot. 55 cgg, temp 17 but still.

Xxxxx to scorePage 3 - JBV.

Saturday Dec. 17. Haldach, Cost, Granaw, Albrecht but more colder. Also Ball helped in P.M. and stayed afterwards 3:30-7:15. No observations. 9 observatories - 11.3. One hour and 10 minutes in shell-scope fairly satisfactory. Slight N. wind temp 13° F when 2 o'clock.

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. Cook; Magie, Haldach went on shelter flight, putting inaremos and wind readings 9:09-5:30. Season's first snow started in afternoon.
Sat. Dec 24: Hallbach & Grinslow connected service leads to shelter bldg. and worked on window frames. 10:00 - 5:00 (Sunny day with temp. about 32°)

Dec 27, Tuesday: Hallbach and Grinslow.
7:45 - 10:45 alternated at observing and keeping warm around stove. High wind with temp. at +1° at start and -3° at Rhine. (Note in thermometer degrees)

Hallbach #22. Distance 4.5


Temp. +7° F at 9:30  +16° F at 5:30