

Wed 11/5/47 Albrecht painted obs floor 7-9:45
 Joe Stevens, Les Bragman, Halbach
 worked on 2 meter transmitter. 8-9:45

Sat 11/8/47 Joe Stevens - 8:00 P.m. for test. Line voltage
 too low to operate equipment. - Disassembled equipment, and
 took down beam. 9:00 P.m.

Sun 11/12/47 W Ballard and 4 visitors.
 3:45.

Sun 11/16/47 Ray Lee painted floor of observatory 2nd coil 3:31-5:31
 temp 29°. Heavy overcast. Rain

Fridy morning 11/21/47 Ray Lee tried to observe variables. Seeing N.B.
 High Resistance joint in electric line. Voltage regulator so low motor
 on telescopes won't start without help. Temp 38° Partly cloudy. 12:30-2:00

Sun 11/27/47 Ray Lee & four looked around. Very wet night done.
 3:30 P.m.

Sat. 12/27/47 Turnbull and Moldenhausen arrived
 at 11:00. Left at 2:15 - bright moon on snow
 too much for eyes!

Tue Jan 6 1948	15°F
Halbach 8:00 - 11:30	20 var.
R. Lee 11:30 - 12:30	3 Vov.

Tues Jan. 27 - 5°F, below

R. Lee watch near occultation
 of Mars. missed about 10 dia. of Mars.
 10:15 - 11:15

Mon: Feb 2. Albrecht & 2 visitors

Friday: Feb. 20, 1948 A.R. Ball + Q.G. Ewen 8:40-11:00 Temp +89
 (2-2-2-1629)
 apparently, the first car (Ewen's) to come up the hill this year
 Observed Mars, Saturn and 2 variables before beautiful flung clouds arrived

Feb. 27 R. Lee S.A.M. Temp 10°

observed Mars & Saturn partly cloudy

Feb. 28 R. Lee 3-S.A.M. Temp 22°

Too much haze to work

March 19-20 Albrecht & Lee came out to see
 occultation of 6.5M star by Venus. 8:40 P.M.
 left 9:00 A.M.

8:20-11:30 A.R. + Mary Ball, and Jack McNeil
 (4-4-6-1633)

Sat. March 20, 1948 A.R. + Mary Ball 7:30-9:15 - 12 visitors

Fri. April 2, 1948 A.R. + Mary Ball, Q.G. Ewen 8:10-11:30 Temp +32°
 (9-9-15-1642)

Sun. April 4. Albrecht came out to burn grass.
 Too windy to be safe.

Fri. April 9. A.R. and Mary Ball 7:50-10:10
 Mr. Dodd and four guests left 9:25 No obs.

Sat. April 10 Albrecht, Mammel & Abendroth burned grass.

Fri. April 16: A.R. and Mary Ball 7:40-12:10 Q.G. Ewen 8:00-10:40

(7-16-22-1649)
 Found R.L. Dodd with about 10 visitors, who left about 8:45

Eleven visitors from Shorewood Open house 9:15 to 10:45

Two deputy sheriffs 11:00-11:15

Sat. morning April 17. Roy Lee arrived 2 A.M. Temp. 31°

3 Variables. Watched on mirror on telescope. Left 5 A.M.

Sat April 24 Roy Lee worked on mirror 9:30 A.M. - 6 P.M.

Thursday April 29 Arrived at 8:30 Could
 not get any current to run scope
 so went home at 9:45. Ed. Schaefer

284 Fri - May 7, 1948. Q. & Mabel Ewen practiced setting the circles. No obs. 8:20 P.M. to 10:00 P.M. Temp 36° Sky clear

Sat. Morning temp 37° R. Lee arrived 1:30 A.M.
sketches Jupiter. 3 variables. - 4:00 A.M.

SAT. (AFTERNOON) MAY 8, 1948: TEMP. 60°

Dodd, Albrectt, Mennel, Schun, Lee, cleaned up clubhouse, Dark room, worked on telescope, thinned grass, wired telescope. ARR. about 5 to 1:00 LEFT 2

Friday, May 14, 1948 A.R. and Mary Ball showed observatory to about 20 Girl Scouts and 6 adults. Sky overcast. 8:00-9:30

Sat. May 15, 1948

Albrectt & Lee worked on wiring and down all day.

Sun May 16, 1948.

Albrectt and Dodd came out to paint stairs. Someone had broken rear window and entered observatory. No visible damage that I can see except the glass. 203d.

Mon. Albrectt brought two visitors out. Metropolitan Church of Waukegan brought 15 visitors. Left at 9:30. Leon Helm took over, Schen

observed Jupiter, Saturn, Mars, Moon, and V. Ursa Majoris, (about 10.3) did not record because it will have to be checked. Moon, half, lapsed up most of observing. Checked for Comet 19471c (Pelt.) could not find. (R.A. 10h 42m 3s Dec. +57° 46' 15")
11.8, 8 (4th row?)

with some -- and at creeked, 2

(Am writing this at 10:30 P.M.)

comet may have been in field
but I could not see it. Watch
hiked out here arriv. 9:30. Will
try to take Rapid Transit
or will hike.

P.S. Put my 6x30 bin. to see
gave more power but not very clear.

✓

Schen

L.S. 1/11/15

That what Bill & Ed have
be preaching to me, higher power in
less clarity. Folks take and
I learned the hard way.

saw

3 men of Sat.

5 of Japs. & Schink 1 of men

Sat. ~~April~~ May 22 ~~1948~~

Lee, Schur, Albrecht, Bandell,
 painted dome, worked on telescope,
 Schur & Lee installed new pump
 plan, Lee worked on telescope,
 Albrecht & Bandell painted dome, Albrecht
 worked on telescope. Schur cut grass
 temp. ~~to~~ reported as 54° (26 a li
 val temp. about 80° F.
 Clear day. Took down 8" image

Thursday May 27 1948

Maie Janie Charles and Eddie Schornke
 arrived at 8:30 Maie and Janie worked on
 library. Roy Lee and visitor Mr. King
 looked at Planets

Left at 11:00 o'clock.

Friday May 28 A.R. Ball & O.G. Ewen : 8:15-12:00 Sky clear, Temp 42°
 (17-17-39-1664)

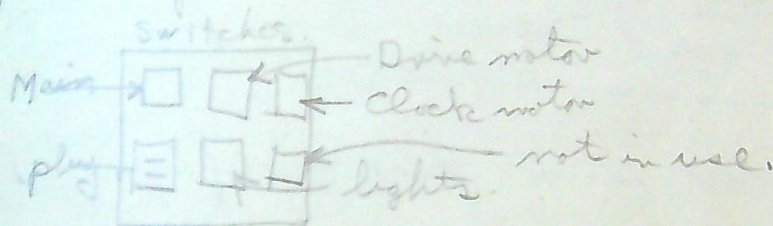
Two further observations: ① Does one entry justify more than a page in the log book?
 ② Lights on dec. circle shows lines very well, but
 numbers cannot be read.

Sat May 29

(clear sunny day) 287

Schur arrived at 3:13. Lee came sooner. Schur left 3:20

Finished Chart Holder & lights. Will add rheostats to decl. & R.A. circle lights so they can be adjusted to each persons eyes. Note rheostat is on chart holder.



Note: Had a short somewhere in Chart holder, and did not find what caused it, so if transformer smokes in chart holder, turn off all lights on telescope at switch on panel. O.K. when I left but might reoccur.

Lee 6:30

Thursday June 3 1948

Marie and Ed Schoenke arrived at 7. Found main switch open, also plate h and telescope lights on. Left at 11:45

Sat. June 5 Marie Marie and Ed. Schorn arrived at 2:45 to work on library.

Left at 9:15.

R. Lee 6 Variable 1-3 A.M. June 6. Temp. 40° Partly cloudy, became too cloudy to work at 3:00.

Sun. June 6

Albrecht arrived at 9:00 A.M.

Finished mowing lawn. Yesterday

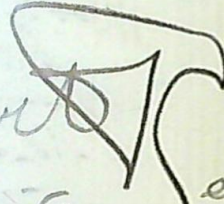
Roy Lee Fixed pier for 10" lat June 5.
 Mr. Hansen Fixed house for 10"
 Mr. Bardell mowed lawn.
 and Albrecht.

Albrecht left at 11:00.

Sat 10, 1948

5:17

May 5

Schur and friend (Herbert)  saw the telescope. Albrecht to be out in evening. Left at 6:00 P.M.

He arrived at 8:45. Slight haze.

June 12. Left at 10:40

16 var.

hazy sky.

Schur arrived with Sub Rasmussen

saw comet 1948 —

Roy Lee 12 Midnight to 4 A.M. 7 Variables. changed resistor
 on deck, circle. 6-13-48

Schur slept overnight with Rasmussen and ate, using stove & frypan. ^{and 100} ^{89 70} hum.

Albrecht arrived. Fixed 10" scope.
 added counterweight, set up wires.

Albrecht Left at 11:00.

Sunday June 13 1948

Marie + Eddie arrived at 2:30 P.M. worked on Library left at 6:00 P.M.

As we were about to leave we had three visitors from Waukesha Mr + Mrs. J. Suchy and Carol. 5:45 P.M.

Jamie + Eddie arrived at 8:05; worked on library + left at 10:30 P.M.

Monday. Albutt and six visitors were clouded out.

Saturday June 19

Albutt arrived at 0700 A.M. to see gravel would be laid right.

A.P. and Mary Ball tried out new gravel at 1200; found no. here, so left at 1230.

Roy Lee worked on visitors 9-11:30 A.M. + 2-5:30 P.M. Painted chart holder, junction box and counterweight.

Note rheostat on decl. coil and better rheostat in charts. Will add no. to R.A. lights.

Painted screen.

Roy Lee 12 Mid. - 2:30 A.M. Sunday June 20

13 Variable

Temp 49°

Sunday June 20th 1948

Darrell W. Moore. 9:30 A.M.

Installed window and other hardware

Marie and Eddie arrived at 1:15 P.M.

Library is now in shape for conversion.

Left at 4:30 P.M. Roy Lee 3:30-5. States to rain so did nothing.

Roy Lee + family painted scope 2nd coil + counterweight 5:30-8

Wed. June 23, 1966

Temp 88°F Sky cloudy
10:00 A.M. - 1:30 P.M.

A. P. & wife, Schur, painted
front of obs. building. Anyone
who thinks they can do a better
job in any degree will do it alone
next year.

June 26 A.P. Ball arrived 10:00, painted, left 3:15
Albacht arrived at 0630 in the morning cut all
the grass. Halbach installed buffers on ladder
and trimmed lawn.

June 27. Albacht arrived at 0730 and painted
12" telescope and hung wire from clubhouse
workshop. Moore worked on shutters and
moved wood boxes back against clubhouse.
Painted cover on Sellar Way at clubhouse
Left 3:30 P.M.

Wed. July 6 A.M. Ryker arrived midnight 10 Variables

Friday July 9 A.P. and Mary Ball 8:00 - 11:30
(10-10-49-1676)

6 Guest of Mr. Didd 8:30-9:30

Note: Be careful setting circles, the R.A. given for some guide stars seems
to be wrong.

Sat July 17. Albacht arrived at 7:00 P.M. Temp 80°
Lee arrived 11:30 - 3:30 Temp 69°
13 Variables

checked guide stars against Mount Palomar again. R.A. correct for 1966

Sun July 18 R. Lee & family 7:30 - 11:00 P.M. Temp 66°
Had schedule visitors night for friends at work, but was all clouded over. No one showed.

Roy Lee & Matt Kneusel arrived 8:10 P.M. July 21 70° cloudy to work.
Albuckley & family visited. Two visitor started in joining club visitor
Left 11 P.M.

Roy Lee arrived 11 P.M. July 24 Two visitors visiting.
Temp 60° 13 variables. Left 3:30 A.M. Partly cloudy

July 26 - (Monday) A.P. and Mary Ball, Milton Lange and four
visitors: 8:30 - 11:30

July 27 - Halbach 7:00 - 12:00
37 variables 66°F

July 31. Albuckley 8:30. clouds over
8 variables

Halbach came out at 9:30.
Beth Left at 11:00. because of clouds.

Aug 1 Roy Lee & friend total around 2:00 - 2:20

Aug 1 Halbach 10 PM - 2:30 AM
23 variables

Aug 5-6 Albuckley arrived at 6:30 P.M.

Observing staff planned to observe Puckids. About 23 present
Left 10:30 Roy Lee got 7 variables. Left 12:15

Aug 8 Roy Lee & family arrived 7:00 P.M. 5 visitors

Ed Halbach & about 10 visitors 8:30 - 9:30

Ed left 10:15 Roy Lee got 7 variables left midnight

August 11, 1948 Perseid Meteor Shower

Mabel & Q. S. Ewen 11 PM to 2:30 AM

Charles Stuetgen 11:30 pm

S. J. Polyzar " "

A. R. Ball + John Bryzich 11:00 AM - 7:30 A.M.

Roy Lee 11:30 P.M. - 4:00 A.M.

Several others - ? - ?

August 13. Albrecht arrived at 8:15.

Two visitors from Cleveland.

Check M-32 Nebula for very bright central star. May be a supernova. One field dia north of M31.

Halbach 11:00 - 15:00 Photographed comet and Orion's belt.

August 14-15 Roy Lee arrived 10:45

Temp 61-57 object

16 Variables. Photograph meteors to finish roll of film. Couldn't see star in M32, although V.B. Left 4:00 A.M.

Aug 18-19 Roy Lee & Walt Kressel 8:00 - 11:35

7 Visitors stopped in. Introduced Walt to Variables.

6 Variables recorded.

Aug. 19, 1948 Marie and Eddie arrived at 8:15 Sky clear but full moon left at 9:50 with a Northern Lights showing

Aug 20, 1948 A. R. and Mary Ball 8:45 - 11:15

[6-6-55-1682]

How beautifully a full moon shines on fleecy clouds!

At Aug 21. Albrecht and Halbach came out in afternoon. Installed circle on 10" scope and wind same. Left at 5:00.

Raymond & Walter looked around. Aug 23 10:00 - 11:00 Temp 80°

Sat Aug 28, 1948.

Albrecht arrived at 7:30.

Slight Aurora at 7:50.

Ray Lee arrived 11:30 Temp 76° Medium aurora
19 Variables left 4:15

Monday Aug 30, 1948

Halbach - 7:45 - 11:00 35 variables

Friday Sept. 3, 1948

Temp 63° Sky perfect

A.R. and Mary Ball 8:00 - 12:15; found Ray Dead and two visitors.
(14-14-69-1696)

Ray Lee 10:00 - 4:30

Photographed Aegle minor. 7 Variables

Ed Halbach 9:00 - 2:45 Photographed comet

Sat Sept 4, 1948

Temp 66° clear, foggy near horizon

Ray Lee arrived 12:00 - 4:15 21 Variables

Mon Sept. 6

Temp 73

Ray Lee + Halbach tried to observe daylight occultation of Mars.
3:00 - 6:00 2:30 - 5:30
Could see Mars for immersion. Saw it about 1 minute after immersion.

Tue Sept 8-9

Ray Lee + Ed Halbach arrived 12:15

Photographed comet Halbach 6 Variables

Left 2:30

Thurs Sept. Ray Lee + 3 visitors looked around 10:30 - 12:00
cloudy.

Ray Lee picks up tools 1:PM. Sat Sept. 18

Friday, Sept. 24, 1948 A.R. and Mary Ball, Jack McNeil 8:15 - 12:15 Temp +52°
(15-29-84-1711)

Halbach 10:45 - 12:45 Pictures of comet 2 variables

Sat Sept 25: Albrecht arrived at 6:45 Temp 57°

Slight Aurora. Rayed Arc 4 to 5 mag.

Left at 10:00 16 var.

Mon. Sept 27d. Halbach / Schriber
 & two guests. - Photographed comets 1948d,
 1948e, and possibly a new one
 10:00 - 13:00

Sat Oct. 2, 1948 Halbach - 8:30 - 11:00
 Photos of comets 1948d and 1948e. Many clouds.
 questioned object above is a nebula.

Sat Oct. 9th 1948 Ray Lee 10:25 - 16:30
 temp 39° - 36° 19 Variables 5 Aurora photos.

Sat Oct. 16th 1948 Ray Lee 2:10 - 5:15 AM
 temp 33° - 29° 15 Variables

Sat-Sun Oct 23-24, 1948 Ray Lee 2:10 - 5:15 A.M.
 temp 37° - 11 Variables

Fri-Sat Oct 29-30, 1948 Ray Lee 11:35^{PM} - 5:00 A.M.
 temp 51° - 49° 21 Variables

Fri-Sat Nov 5-6 Ray Lee 12:00 temp 47° Too cloudy to work

Sat Nov 6-7 Alhambra arrived at 6:00 P.M.

Ray Lee 1:00 AM to 5:30 A.M. temp 38° 17 Variables

Wed. Morning Nov 10 Ray Lee arrived 4:45 temp 29°
 Tried to see & photograph new comet, but couldn't even find it.
 Left 6:15

Thurs. Morning Nov 11 Ray Lee 5:00 AM - 6:55 A.M. temp 33°
 Looked for comet again. No luck. Too far south. Lost in dawn.

Fri. Nov 21, 1948 Lee & Guest - 10:45
 Halbach 11:45 - 12:30 19 variables, then clouds

Fri. Dec. 3, 1948 A.R. + Mary Ball Temp. 42° Sky clear 8:00 - 10:55 P.M.
 (9-9-93-1720)

Halbach 2:30 - 6:00 38 var. Fog at end - 35°F

1949
Sat. Dec. 11 3:30-4 P.M. Ray Lee took old car body
to make trailer.

Wed. Dec. 29 Ray Lee & C.A. Haderchild of AK m. O. bio looked around.
temp 18°.

Sat. Morning Jan 7-8 Ray Lee arrived 11:45 Temp 37°-24
20 Variables Left 10:10

240

Sun. Jan 9. Albrecht came out to look around.

Fri Jan 21. Ray Lee 4 variables 2 by Omer & Mrs. Omer waited
7:30-12:15 temp 18°-11°

Fri-Sat Feb. 4-5 Ray Lee temp 11° to -2°
5 Variables 12:10-3:20

30+5=35

Too much fast on egg piece

Fri. Feb 25, 1949

Albrecht & Haderchild out to look for N. in
in Hydra

Ray Lee arrived 8 P.M. Search for Nova. 27 Variables

Temp 21°

Left 4:30 A.M. Took variable observations to assist Blake

Mon. Feb 28, 1949 E. Haderchild Temp 16° F
8:00-11:00 16 variables

Fri-Sat Mar. 4-5 Ray Lee arrived 12:10 Temp 37°
Clouded over Left 2:36 7 Variables

62+7=69

Fri-Sat March 18-19 Ray Lee arrived 11:55 Temp 16°
Left 2:10 5 Variables too much fog on egg piece

69+5=74

Thurs. April 7, Ray Lee & two A.C. physicians look
around 2:20 P.M. - 4:1 P.M.

Fri. April 8, Ray Lee & 7 Scouts 8 P.M. - 10:30

Meter installed to test radio reception on 175 megacycles.
Leave Power on. See Ray Lee if anything wrong. Noise in amplifier
normal.