

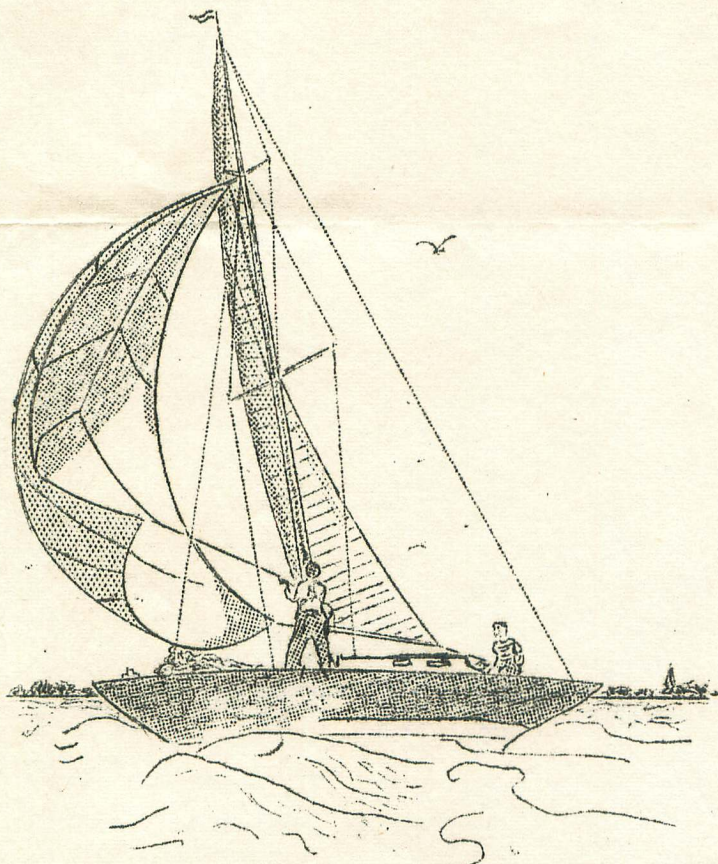
A.A.V.S.O.

SOLAR DIVISION BULLETIN.

Neal J. Heines, Editor.

July 1949.  
Number 44. Page 103.

560 Broadway.-  
Paterson 4, New Jersey.



SMOOTH  
SUMMER  
SAILING!!

We have again come to the Vacation-Period and therefore take this opportunity to wish you all a very pleasant summer.

You will find two supplements to this issue, The Report of the Solar Division to the A.A.V.S.O. , (Abridged Form), and the long promised list of the Active Observers of the Solar Division.

If, during your vacation, you pass through an area where one of the observers is resident it will be pleasant to establish acquaintance and experience a change of ideas.

The list, in addition to name and address, also supplies the information concerning the method of observation, instrument size, and the project or projects engaged in. This affords correspondence selection for like activities.

Solar Division Headquarters was favored with several visitors this June, past, ; Mr. Frank De Kinder of Canada , Mr. W. Mullens of State College, Penna. and Messrs. Pierson and Bollmeyer of Long Island N.Y. Your Chairman will be on his vacation from August 17th to September 6th.

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Several interesting Solar Papers were read at the spring Meeting of the AAVSO. These will be submitted for publication and release dates will be supplied as soon as available.

### PUBLICATIONS.

We expect momentarily the release date for Dr. Donald H. Menzel's book, "OUR SUN".

### STATISTICS.

The total number of observed groups for the month of May was----- 33.  
The total number of days with sunspots for May was ----- 31.  
Zurich's Provisional Relative Sunspot Number for May was----- 104.7  
Mean (monthly) Sunspot Area (U.S. Naval Observatory) for May ---- 2,075  
\* The highest sunspot group number as assigned at Solar Division Headquarters on June 11th., was 234. This was a small group of 5 spots which preceeded the large group in the south belt, E. Limb and the one of similar size in the north belt. The two latter groups made their first appearance, this rotation, on the previous day the 10th., of May.  
\* This information is given in order that the Solar Division observers may check their group counting each month.

Mr. Chester L. Brown of W. 1117 14th., Avenue, Spokane 9, Washington, writes that they have had little success in trying to obtain a 9½ to 12" Refracting Telescope, used in good order. Anyone having any information about such an instrument available, kindly communicate with Mr. Brown.

### PUBLICATIONS CONTINUED.

#### "OLD SOL'S BALANCE SHEET"

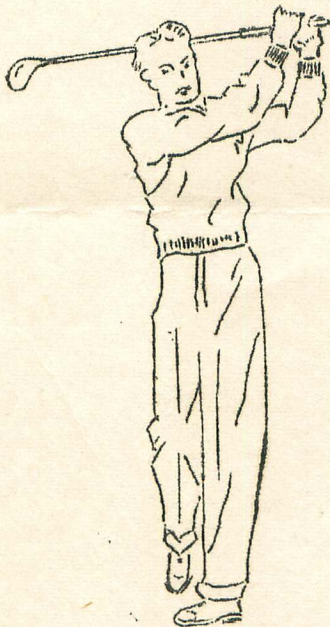
Dr. Cecelia Payne Gaposchkin.

Science Digest -- June, pp. 61-66.

A very interesting contribution by the Phillips Astronomer of Harvard Observatory. One finds an abridged edition of the same article in the Magazine Section of the Christian Science Monitor of May 7th. A footnote inform that this was a lecture by Dr. Gaposchkin given at Wellesley College on the occasion of its 75th., anniversary.

"ASTRONOMISCHE MITTEILUNGEN DER EIDGENOSSISCHEN STERNWARTE ZURICH  
Number 156. Prof. M. Waldmeier.

"The Sun's Activity for 1947"  
The yearly mean for the relative-numbers is 151.6. The yearly mean for daily group-numbers is 13.4



VACATION PERMITTING, DO SO.

A.A.V.S.O.

Printed June 15th., 1949

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# SUPPLEMENT TO THE JULY BULLETIN

(A)

## REPORT OF THE SOLAR DIVISION TO THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS.

Membership ----- 115, with Research (57), Total 172.  
 Membership Distribution ----- 30 States, 12 Foreign Countries.  
 Report Blanks Issued ----- 1158, Duplicates & Gleissberg Proj., Incl.  
 Reports Distributed ----- 413 Bur. Stan 157 " " Total 570  
 Number of Observations ----- 13295, Total to 5/1/49 53,053, Gl1. 570  
 Communications Sent ----- 1867 " " " 7,765.  
 Communications Received ----- 1363 " " " 5,986.  
 Number of Solar Division Bulletins, 8 Editions 1440 Copies.  
 Number of Reductions Reports Distributed for this seven month period 11

The American Relative Sunspot Numbers\* for this period are as follows;

	1948		1949	
September	174.6	January	153.3	
October	166.3	February	228.0	
November	129.9	March	198.8	
December	177.1	April	190.7	*Bureau of Standard

### CONDITION OF THE PRESENT SUNSPOT CYCLE.

It is believed that the broad sunspot maximum has passed and that the sun now will slowly settle down to normal activity.  
 Zones of extra activity continued in evidence since our last report. February and March 1949, were high months both in count of sunspots and Area Measurements. It is believed that this period was a tertiary maximum.

### SOLAR DIVISION ACTIVITY.

We are still actively engaged in the following Projects; Sunspot Counts for the National Bureau of Standards; Granular Solar Surface and Color In Sunspots; Dr. J. C. Bartlett; Unusual spot configurations and colors Dr. W. O. Roberts; Foreshortening of Sunspot Groups, Prof. W. Gleissber Migratory Birds Project; Delineation and Sunspot Area Measurements, Hein Very little progress has been made in the procurement of instrumentation for the observation of Solar Prominences; Ultra-Violet Radiation, Ozon Measurements.

We have made a humble beginning in Solar Radiation Measurements, our ne est Project.

Solar Division Placards have been distributed, and, this continues as each new member completes his Constant- Determination-Period.

The new Method of REDUCTIONS by the Bureau of Standards was published by the Astronomical Society of the Pacific. It can be found in their Publications Vol. 61, No. 358, February 1949, pp.13-21.

We wish to express our appreciation for the gifts of books and cash for our Solar Division Library, now established at Harvard, AAVSO Headquart The new Gleissberg Report Form is being used with success.

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(B)

## SUPPLEMENT TO JULY BULLETIN

## ADDRESS LISTING

METHOD	NAME AND ADDRESS	INSTRUMENT SIZE & TYPE	PROJECT ACTIVITIES				
			*SS	*GL.	*R	*GRAN.	*M.B.
V	Bartlett, J.C. 300 N. Eutaw St. Baltimore	3.5" RL	x			x	
V&P	Beardsley, Mrs. M. Cherry Hill Rd. #1, Springfield Vermont	10" RL	x		x	x	
V	Beetle, Miss D. 609 Russell St. Loramie, Wy.	2 1/4" RF	x	x			
V	Bollmeyer, F. 3120 Wilkerson Av., Bronx, NY	2" RF	x	x			
V	Brown, C.L. W. 1117 14th Av. Spokane, Wash	3 5/8" RF	x				
V	Buckstaff, R.N. 1122 S. Main St. Oskosh, Wis.	3" RF	x				
P	Caraioryis, G. Box 78 Khartoum-Sudan, Africa	3" RF	x	x	x		
V	Chassapis, C. University of Athens, Athens, Greece	110 mm RF	x	x			
P	Ciffaretto, N. 257 Wayne St. Jersey City, NJ	6" RL	x				
P	Commerall, W. Hohenzollernstrasse 1 Stutt- gart, Germany	3" RF	x				
V	Cragg, T. 1908 S. Burlington Los Angeles, Calif.	4" RL	x		x		
V&P	Curren, T. 980 Pearl St. Alameda, Calif.	2" RF	x				
P	DeKinder, F. 10724 Emile St. Montreal, 12, Quebec, Canada	4" RF	x		x		
P	Estremadoyro, V.A. Enrique Palacios 187 Chorrillos Lima, Peru	2" RF	x	x			
P	Farnsworth, Dr. Alice Williston Obs. S. Hadley, Mass.	8" RF		x			

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H.A.U.S.O.



METHOD	NAME AND ADDRESS	INSTRUMENT SIZE & TYPE	PROJECT ACTIVITIES				
			*SS	*GL.	*R	*GRAN.	*M.B.
V	Fernald, C.F. Wilton, Maine	8" RL	x	x			
P	Ferro, J.J. 339 Wayne St. Jersey City, N.J.	6" RL	x				
V	Focus, J. E. National Obs., Athens, Greece	80mm.RF	x				
P	Franklin, Fred 8 Howland Av., Worcester, Mass.	6" RF	x				
P	Garneau, de Lisle 4052 Wilson Av. Notre Dam de Grace, Montreal, Canada	6" RF	x				
P	Gingerich, O. 323 S. 7th Goshen, Indiana	8" RL	x	x			
V	Heines, N.J. 560 Broadway, Paterson, 4, N.J.	3" RF	x	x	x		x
V	Herring, A.K. 2228 Winton St., Middletown, Ohio	8" RL	x				
P	Hillebrand, J. 401 Lyons, Notre Dame, Indiana	6" RL	x			x	
P	Keely, Miss E. 209 Lincoln Pl., Brooklyn, 17, NY	6" RL	x	x			
P	Landisi, G. 247 Wayne St., Jersey City, 2, NJ	6" RL	x				
P	Leinbach, H. 929 10th St., Brookings, S.D.	4 $\frac{1}{4}$ " RL	x	x	x		
V	LeVeau, H. 910 South Wooster, Los Angeles 35, Calif.	6" RL	x				
V	Loebbeck, J.H. 310 Union St., Carlstadt, N.J.	2 $\frac{1}{2}$ " RF	x				
V	Luft, H. 47 Ft. Washington Av., N.Y. 32, NY	54mm.RF	x	x	x	x	
V	Maher, T.P. Vendome Hotel, Arlington, Oregon	1 7/8" RF	x				
V&P	Moore, W.L. Univ. of Louisville, Louisville, Kentucky	12 $\frac{1}{4}$ " RL	x			x	
V	Mullen, W. R D 1, State College, Penna.	4" RF	x				

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G.N.V.S.O.



METHOD	NAME AND ADDRESS	INSTRUMENT SIZE & TYPE	PROJECT ACTIVITIES				
			*SS	*GL.	*R	*GRAN.	*M.B.
P	O'Toole, D. 114 Claremont Av., Vallejo, Cal.	3.5" RL	x				
P	Piciullo, G. 239 Wayne St., Jersey City, N.J.	6" RL	x				
V	Pierson, E. 212 Grant Av., Hempstead, L.I., NY	6" RF	x	x			
V	Pilsworth, E.H. Box 964, Battle Creek, Mich.	2 7/8 RF	x	x			
P	Power, H. 356 Coleridge Av., Palo Alto, Cal.	8" RL		x			
P	Pronti, A. 255 Wayne St., Jersey City, N.J.	6" RL	x				
V	Reil, A. 17a Sinsheim/Elsenz, Karl, Wilhelmstr 35, Germany	2" RF	x				
P	Roemer, Miss E. 1556 Everett St., Alameda, Cal.	6" RF	x				
V	Rosebrough, D. 87 Fern Circle, Waterbury, Conn.	4" RF	x	x		x	x
V	Rumrill, H.B. Conestoga Rd., Berwyn, Pa.	4" RF	x				
V	Ryerson, K.A. Univ. of Cal., Aggric. College, Davis, Calif.	4" RF	x				
V	Seagroves, D. Apex, North Carolina	3 1/2" RF	x		x		
P	Scholl, H. Hohenzollernstrasse #1 Stuttgart-Sud, Germany	3" RF	x				
V	Slocum, Miss Lois Wilson College, Chambersberg, Pa.	4" RF	x	x			
V	Smith, H.J. Box 503 Augustana College Rock Island, Ill.	3 3/4" RF	x	x			
P&V	Smith College (Miss J. Gill) Smith College Obs., Northampton, Mass.	6" RF	x	x			
P	Spalding, R. 310 Colorado Blvd., Denver, Col.	2 1/2" RF	x	x			

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METHOD	NAME AND ADDRESS	INSTRUMENT SIZE & TYPE	PROJECT ACTIVITIES				
			*SS	*GL	*R	*GRAN.	*M.B.
V	Thorpe, S. Route # 3, Box 437, Louisville, Ky.	10" RL	x	x			
V	Thomas, H.D. 512 First St., Coulee Dam, Wash.	4" RF	x	x			
P	Topham, B. 1250 Castlefield Av., Toronto, 10 Canada	6½" RF	x	x			
P	Trathen, F. 2694 Linda Vista Av., Napa, Cal.	4" RF	x	x			
V	Thruswell, J. Pirton-Hitchin, Herts, England	4" RF	x		x		
P	Ventor, S.C. PO Box 451, Pretoria, So. Africa	2 3/4" RF	x				
P	Wallbillich, A. RFD # 2, Altamont, N.Y.	3½" RL	x				
V	Warren, G. RFD # 2, Westchester, Pa.	3" RF	x	x			
V	Waters, G. 108 Filkerson St., Jefferson City Missouri	6" RL	x				
V.	Williams, R.L. Box 113, Greene, N.Y.	3" RF	x				
P	Wells, K.A. 10 Madison Av., Massena, N.Y.	20x Bin.	x	x			
	Welander, M. Route # 3, Stillwater, Minn.	Heliograph			x		

\*SS-Sunspot-----Solar Division Headquarters  
 \*GL-Gleissberg-Fere Shortening Project--Prof. W. Gleissberg  
 \* R-Roberts -----Dr. W. O. Roberts  
 \*GRAN.-Granulation- Dr. J. C. Bartlett, Jr.  
 \*M.B.-Migratory Birds--Solar Division Headquarters  
 B.C. Parmenter, - Advisor on Astronomical Instrumentation.  
 6718 E. 7th. Route #8, Spokane, Washington.

#### ADDITIONS.

Brennan; L.L. Cnr. Duke & Albany  
 Gosford. N.S.W. Australia.

4" RF

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