
Guide to the Gerald E. Kron papers MS.254

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Title: Gerald E. Kron papers

creator: Kron, Gerald E.

Identifier/Call Number: MS.254

Physical Description: 6.9 Linear Feet11 boxes

Date (inclusive): 1928-1996

Date (bulk): 1940-1980

Conditions Governing Access

Collection is open for research.

Arrangement

This collection is organized into five series:

1. Correspondence
2. Research
3. Writings
4. Subject files
5. Realia

Materials within each series are arranged in chronological order, unless otherwise specified.

Biographical / Historical

Gerald E. Kron (1913-2012) was an astronomer who worked at the Lick Observatory, the U.S. Naval Observatory in Flagstaff, Arizona, and at Mt. Stromlo Observatory. He is known for advancing the study of stellar populations and interstellar reddening through measuring the photometry of variable stars (eclipsing binaries, interacting binaries, pulsating stars, and eruptive variables), stars of extreme luminosity (supergiants and late M dwarfs), and star clusters. Kron began his academic career by earning a graduate degree in mechanical engineering in 1934 at the University of Wisconsin, Madison, where he studied under astronomer Joel Stebbins. In 1935, Kron began conducting observations at Mt. Wilson with Stebbins and Albert Whitford, and earned his Ph.D. in astronomy in 1938 from the University of California, Berkeley. He worked at the Lick Observatory as a staff astronomer until 1965, then relocated to Flagstaff, Arizona with his wife, Katherine, and worked as the Director of the United States Naval Observatory until 1973. Kron then moved to the Australian National University to become a Senior Research Fellow from 1974 to 1976. In 1985 the Krons moved to Honolulu, and then after Gerald's retirement, moved back to Arizona in 1998. Gerald Kron died in Sedona, Arizona, on April 9, 2012.

For more information: [Gerald E. Kron \(1913-2012\)](#)

Preferred Citation

Gerald E. Kron papers. MS 254. Special Collections and Archives, University Library, University of California, Santa Cruz.

Processing Information

Most folder titles in this collection are derived from the original folder labels.

Scope and Contents

This collection documents the professional career of astronomer Gerald E. Kron and contains materials created during his time at the Lick Observatory from the 1930s until 1965, as well as later in his career. It includes correspondence, observation logs and other research materials, manuscripts, reprints, subject files, and some realia.

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Subjects and Indexing Terms

Astronomy

Lick Observatory

Kron, Gerald E.

Correspondence 1928-1989

Arrangement

Materials arranged in alphabetical order by last name of correspondent or topic.

Scope and Contents

This series contains Kron's professional correspondence, some personal correspondence, and some research materials.

Box 1	A - miscellaneous 1946-1981
Box 1	Ables, Harold 1973-1974
Box 1	Abt, Helmut A. 1954-1973
Box 1	Acheson Colloids Corp. 1949
Box 1	Adel, Arthur 1966
Box 1	Aitken, Robert G. 1940-1950
Box 1	Alden, Harold L. 1950
Box 1	Aller-Oke, standards 1962-1963
Box 1	Ames Laboratory 1957
Box 1	AR Cas 1954-1970
Box 1	AR Lae 1947-1950
Box 1	Arp, H.C. 1967-1968
Box 1	Ashbrook, Joseph 1948-1956
Box 1	Astronomical Society of the Pacific (A.S.P.) 1946-1954
Box 1	Astronomical Society of the Pacific (A.S.P.) 1965-1974
Box 1	Australian Trip 1960
Box 1	B - miscellaneous 1956-1975
Box 1	Baade, Walter 1946-1956
Box 1	Babcock, Horace (and Harold) 1947-1971
Box 1	Baglow, R.L. 1948
Box 1	Baker, James G. 1949
Box 1	Bappu, M.K. Vainu 1952-1971
Box 1	Barber, Donald R. 1946-1959
Box 1	Barbier, Daniel 1951-1956
Box 1	Barnothy, J.M. 1970-1971
Box 1	Barrett, Richard F. 1960
Box 1	Bartlett, Tom 1947
Box 1	Baum, Custer C. 1946
Box 1	Baum, William 1950-1966
Box 1	Beals, C.S. 1946-1951
Box 1	Beck, Hans G. 1966
Box 1	Beckman & Whitley 1961-1967
Box 1	Behr, Alfred 1948
Box 1	Bethlehem Steel 1948-1949
Box 1	Bidelman, William P. 1956-1961
Box 1	Blair, G. Bruce 1946
Box 1	Blanco, Victor M. 1953-1979
Box 1	Blitzstein, William 1947
Box 1	Boesgaard, Hans 1966-1967
Box 1	Bok, Bart J. 1947-1969
Box 1	Boller & Chivens 1966
Box 1	Bowen, Ira S. 1950
Box 1	Breckenridge, James B. 1964-1981
Box 1	Brewer, Leo 1956-1958
Box 1	Brode, Robert B. 1946
Box 1	Brouwer, Dirk 1953

Box 1	Brower, Stanley 1947-1948
Box 1	Bruck, H.A. 1947-1948
Box 1	Bunton, George W. 1950
Box 1	Burbidge, E. Margaret 1978
Box 1	Burbidge, Geoffrey R. 1957
Box 2	C - miscellaneous 1956-1977
Box 2	California Alumni Association 1949
Box 2	Canavaggia, R. 1976-1979
Box 2	Carpenter, Edwin F. 1947-1959
Box 2	Carruthers, George 1976
Box 2	Chaffee, Fred 1969-1974
Box 2	Chambers, Jack 1948
Box 2	Chandrasekhar, S. 1948-1970
Box 2	Chesterman, Charles W. 1965
Box 2	Chincarini, Guido 1966-1972
Box 2	Clauser, F.H. 1968
Box 2	Cooksey, Donald 1947
Box 2	Corona Borealis undated
Box 2	Crawford, Dave 1966-1970
Box 2	Cuffey, James 1947
Box 2	XZ Cygni 1948
Box 2	D - miscellaneous 1949-1972
Box 2	Dahn, Conard 1965-1966
Box 2	Daniels, M. 1966
Box 2	Davies, R.C. 1966
Box 2	Detre, L. 1948-1960
Box 2	De Vaucouleurs, Gerard 1952-1972
Box 2	Duchesne, M. 1965-1969
Box 2	Dugan, Raymond S. 1939
Box 2	Dunham, Theodore 1949-1965
Box 2	E - miscellaneous 1953-1979
Box 2	Eastbay Astronomical Association 1948
Box 2	Ebbinghausen, E.G. 1959-1969
Box 2	Eckert, Wallace J. 1947
Box 2	Edmondson, Frank 1948-1956
Box 2	Eggen, Olin 1948-1977
Box 2	Einarsson, Sturla 1954-1959
Box 2	Electronics Magazine 1948-1949
Box 2	Elvey, C.T. 1949
Box 2	Engle, Paul R. 1950
Box 2	Experimental photocells and multipliers 1942-1946
Box 2	F - miscellaneous 1947-1972
Box 2	Fath, Edward A. 1953
Box 2	Federer, Charles 1947-1968
Box 2	Feinstein, Alejandro 1963-1969
Box 2	Fellgett, Peter 1952-1969
Box 2	Flagstaff Naval Observatory (Kron Appointment as Director) 1965-1974
Box 2	G - miscellaneous 1956-1979
Box 2	Gadomski, Jan 1949
Box 2	Gaposchkin, Sergei 1947-1956
Box 2	Gascoigne, Benj. 1952-1970
Box 3	Gill, Jocelyn 1948
Box 3	Gliese, Wilhelm 1957-1958
Box 3	Goldberg, Leo 1954-1972
Box 3	Greenstein Committee Report 1969
Box 3	Greenstein, Jesse L. 1948-1967
Box 3	Guetter, Harry 1974-1975
Box 3	H - miscellaneous 1949-1971

Box 3	Hall, John S. 1939-1966
Box 3	Hardie, Bob 1952-1969
Box 3	Hargreaves, J. 1950
Box 2	Harris, William 1974-1975
Box 2	Herbig, George 1951-1970
Box 2	Hertzsprung, Ejnar 1965
Box 2	Hewitt, Anthony V. 1967-1976
Box 2	High Temperature Conf., Washington 1958
Box 3	Hiltner, W.A. 1946-1965
Box 3	Hogg, Arthur 1952-1966
Box 3	Houston, Walter S. 1946
Box 3	Hubble, E.P. 1948-1953
Box 3	Huffer, C.M. 1946-1958
Box 3	Humason, Milton 1950-1953
Box 3	Hurahata, Masaaki 1950-1955
Box 3	I - miscellaneous 1948-1972
Box 3	IC 4665 1954
Box 3	Ingalls, Albert 1946-1955
Box 3	Inglis, Stuart 1948-1973
Box 3	Inyokern, California 1948
Box 3	Irwin, John 1946-1967
Box 3	J - miscellaneous 1955-1969
Box 3	Janes, Ken 1966-1971
Box 3	Johnson, Harold 1948-1970
Box 3	Johnson, Hugh M. 1959
Box 3	Jonas, Herbert 1947-1948
Box 3	Joy, Alfred H. 1952-1968
Box 3	K - miscellaneous 1953-1978
Box 3	Kennedy, H.D. and Pamela 1970-1977
Box 3	Kharadze, E.K. 1956
Box 4	Kienle, Hans 1957-1958
Box 4	King, Ivan 1952-1976
Box 4	Kinman, T.D. 1966-1970
Box 4	Kinman, T.D. - NGC 2419, 6522, 6528 1969
Box 4	Kitt Peak - Conference on Photoelectric Problems 1953
Box 4	Kopal, Zdenek 1946-1973
Box 4	Kourganoff, V. 1950
Box 4	Kreiken, E.A. 1948
Box 4	Kron, Richard 1968-1980
Box 4	Kuhi, Leonard 1966
Box 4	Kuiper, Gerald P. 1954-1955
Box 4	Kukarkin, B.V. 1955-1977
Box 4	L - miscellaneous 1953-1980
Box 4	Labs, Dietrich 1957-1959
Box 4	Lallemand, A. 1954-1971
Box 4	Lee, Oliver Justin 1950
Box 4	Levitt, I.M. 1947
Box 4	Lewis, Myron 1968-1972
Box 4	Lick Observatory - General 1936-1985
	Scope and Contents
	Contains correspondence and other materials during Kron's appointment at the Lick Observatory, including letters to and from the director, scientific research, press releases, curriculum vitae and information on promotions, and letters pertaining to Kron's work during World War II and leave from the Observatory.
Box 4	Lick Observatory - Sky Brightness 1973
Box 4	Light pollution 1973
Box 4	Liller, William 1950-1970

Box 4	Linnell, Albert P. 1947-1956
Box 4	Lippincott, Sarah Lee 1952-1972
Box 4	Livingston, William C. 1955-1964
Box 4	Locanthi, Dorothy 1946
Box 4	Lynds, C.R. 1955-1970
Box 4	M - miscellaneous 1953-1980
Box 4	Mathews, Robert 1949
Box 4	Matsushima, Satoshi 1968
Box 4	Mayall, Margaret 1947-1952
Box 4	Mayall, Nick U. 1951-1977
Box 4	Mayall and Kron undated
	Scope and Contents
	Paper on Photoelectric Photometry
Box 4	McCarthy, Martin F. 1957-1979
Box 4	McGee, J.D. 1961-1973
Box 4	McKellar, Andrew 1948
Box 5	McMath, Robert R. 1959
Box 5	McMullan, D. 1965-1980
Box 5	Megaw, E.C.S. 1949-1951
Box 5	Menzel, Donald H. 1946-1979
Box 5	Merrill, John E. 1947-1949
Box 5	Miczaika, G.R. 1948-1956
Box 5	Misch, Tony 1989
Box 5	Moore, Joseph H. 1947
Box 5	Morgan, W.W. 1950-1959
Box 5	Mulders, Gerard F.W. 1960-1965
Box 5	Munch, Guido 1948-1950
Box 5	N - miscellaneous 1948-1980
Box 5	Nassau, J.J. 1948-1949
Box 5	Neyman, J. 1954-1955
Box 5	Nicholson, Seth B. 1947-1953
Box 5	Nielsen, Axel V. 1947
Box 5	O - miscellaneous 1952-1977
Box 5	O'Connell, D.J. 1957-1959
Box 5	Office of Naval Research 1948-1966
Box 5	Olsen, William 1946
Box 5	Oort, J.H. 1946-1970
Box 5	P - miscellaneous 1955-1979
Box 5	Pannekoek, A. 1939
Box 5	Papiashvili, Eric 1960-1969
Box 5	Patent Office 1949-1950
Box 5	Pearce, J.A. 1940
Box 5	Petrie, R.M. 1947-1965
Box 5	Photocell Development 1938-1948
Box 5	Photocells - Technical Data - Photomultipliers 1928-1947
Box 5	Pictures 1961
Box 5	Pierce, Newton L. 1946-1948
Box 5	Plakidis, S. 1948
Box 5	Project Stromlo 1971-1976
Box 5	R - miscellaneous 1951-1968
Box 5	Reber, Grote 1947
Box 5	Reiz, Anders 1949
Box 5	Roach, Franklin E. 1940-1978
Box 5	Roberts, Walter O. 1950
Box 5	Rogers, Fred T. 1947-1948
Box 5	Rose, Donald G. 1949
Box 5	Ross, Frank E. 1946

Box 5	Routly, Paul M. 1964-1978
Box 5	Royal Greenwich Observatory 1971-1972
Box 5	Ruiz, John J. 1947-1961
Box 5	S - miscellaneous 1950-1978
Box 5	Salanave, Leon 1948-1981
Box 5	Sandage, Allan 1954-1971
Box 5	Sanford, Roscoe 1946-1948
Box 5	Schilt, Jan 1946
Box 5	Schwarzschild, Martin 1947-1965
Box 5	Science Service 1948
Box 5	Scott, Elizabeth 1954
Box 5	Selected Area 68 1949-1957
Box 6	Seyfert, Carl K. 1947
Box 6	Shane, C.D. 1947-1975
Box 6	Shane, C.D. 1963-1968
Box 6	Shane, C.D. 1968-1977
Box 6	Shane, C.D. 1969-1971
Box 6	Shane, C.D. 1972-1973
Box 6	Shane, C.D. 1974-1977
Box 6	Shane, C.D. 1977-1979
Box 6	Shane, Mary Lea 1967-1982
	Scope and Contents
	Includes personal letters to Katherine Gordon Kron.
Box 6	Shapley, A.H. and Harlow 1953-1956
Box 6	Site Testing - Australia 1962-1967
Box 6	Slipher, V.M. 1949
Box 6	Smith, Harlan 1952-1971
Box 6	Smith, J. Lynn 1947-1956
Box 6	South African Council for Scientific and Industrial Research (CSIR) 1972-1973
Box 6	Spark Plug 1960
Box 6	Spinrad, Hyron 1958-1960
Box 6	Spitzer, Lyman 1948-1950
Box 6	Sputnik 1957
Box 6	Standard lamps (to Hayes and Canavaggia) 1961-1966
Box 6	Stebbins, Joel 1947-1966
Box 6	Sterling, Howard 1948
Box 6	Stern, Albert Victor 1949-1950
Box 6	Stilwell, Walt 1946-1959
Box 6	Stoy, R.H. 1960
Box 6	Strand, Kaj 1967-1975
Box 6	Stromgren, Bengt 1948-1961
Box 6	Struve, Otto 1947-1956
Box 6	Swings, Pol 1947-1953
Box 6	Swope, Henrietta 1968-1973
Box 6	T - miscellaneous 1953-1981
Box 6	Tauchmann, Geo F. 1948-1959
Box 6	Thackeray, A.D. 1951
Box 6	Thomsen, Ivan 1953-1961
Box 6	U - miscellaneous 1965-1966
Box 6	U Cephei 1973-1989
Box 7	University of California 1957-1977
Box 7	Unsold, A. 1960-1968
	Physical characteristics
	2 folders
Box 7	V - miscellaneous 1947-1973

Box 7 **Van de Kamp, Peter 1955-1969**
 Box 7 **Van Dien, Elsa 1947-1949**
 Box 7 **Van Rhijn, P.J. 1952**
 Box 7 **Vienna Observatory 1971**
 Box 7 **Voigt, Hans-Heinrich 1953**
 Box 7 **Vyssotsky, A.N. 1958**
 Box 7 **W - miscellaneous 1950-1973**
 Box 7 **Walker, Merle 1951-1976**
 Box 7 **Wallenquist, Aki 1947-1955**
 Box 7 **Wallenstein, George 1957-1968**
 Box 7 **Walraven, Th. 1947**
 Box 7 **Warner and Swasey 1949-1950**
 Box 7 **Weaver, Harold 1955-1977**
 Box 7 **Wehlau, Bill 1953-1956**
 Box 7 **White Mountain Site 1950-1952**
 Box 7 **Whitford, A.E. 1940-1977**
 Box 7 **Wilkes, Dan 1947-1953**
 Box 7 **Williams, Howell 1948**
 Box 7 **Wilson, Olin 1940-1970**
 Box 7 **Wilson, Ralph 1941-1947**
 Box 7 **Wirtanen, Carl A. 1960**
 Box 7 **Wood, (Frank) Bradshaw 1939-1980**
 Box 7 **Woolf, Nick 1960-1961**
 Box 7 **Woolley, Sir Richard 1952-1974**
 Box 7 **Y - miscellaneous 1954-1980**
 Box 7 **Yerkes tests 1965**
 Box 7 **Z - miscellaneous 1953-1978**
 Box 7 **Zeta Aurigae Program 1963-1973**
 Box 7 **Unidentified correspondence 1974**

Research 1937-1970**Arrangement**

Materials arranged in original order.

Scope and Contents

This series contains Kron's research materials, including observation logs, charts, graphs, reductions, notes, and related correspondence.

Box 7 **Index of folders for 6 colors, etc. undated**
 Box 7 **Filters, instruments, etc.; Extinction 1940-1945**
 Box 7 **Reductions 1940**
 Box 7 **Reductions 1941**
 Box 7 **Reductions 1942**
 Box 7 **Reductions 1943**
 Box 7 **Reductions 1944**
 Box 7 **Reductions 1945**
 Box 7 **Reductions 1946**
 Box 7 **C3 1943**
 Box 7 **C4, C5 1944**
 Box 8 **Observing lists 1941-1942**
 Box 8 **Summaries and gradients 1941**
 Box 8 **Gradient graphs 1941**
 Box 8 **Miscellaneous, Directions from Whitford 1941**
 Box 8 **Other stars, Silver 1941**
 Box 8 **Black body curves circa 1945**
 Box 8 **Reddened B-stars, gradients 1941**
 Box 8 **Screens, series, standards, filters 1942-1946**
 Box 8 **Miscellaneous 1942, Baade, Bluest absolute magnitude effect, Ratios of scales 1942-1945**

Box 8	Sky-swings, Baade 1941-1946
Box 8	Reddened B-stars, others 1942-1944
Box 8	Graphs BD - 3060 undated
Box 8	Graphs 1942
Box 8	General 1942
Box 8	Deviations from black 1942
Box 8	Trapezium, Pleiades, P. Cygni, etc. 1943-1947
Box 8	Index, summaries, etc. 1943-1944
Box 8	Galactic center 1955
Box 8	Reductions 1949
Box 8	Reductions 1957
Box 8	Reductions 1959
Box 8	Observing tests (old) 1941-1950
Box 8	H.D. 125248 Magnetic spectrum variable 1948-1950
Box 8	Lunar parallax problem 1952
Box 8	H.D. 215835 Pearce's Star 1948-1949
Box 8	BD + 20 2465 (M4e star) 1949
Box 8	Zeta Aurigae 1939-1951
Box 8	H.D. 22124 1952-1955
Box 9	YZ Cassiopeiae paper 1937 and undated
Box 9	YY Geminorum 1946-1952
Box 9	RR Lyrae variables data (Oort) 1948-1970
Box 9	6 colors - High velocity stars undated
Box 9	6 colors - Tables 1952-1955
Box 9	Special photocells 1947
Box 9	Southern photometry, general 1951
Box 9	CE25 cell color sensitivity undated
Box 9	Absolute sensitivity calibration 1955
Box 9	Drawings 1950-1962
Box 9	Drawings - Image tube 1959
Box 9	Photometric standards (summaries) 1953-1954
Box 9	Auxiliary curves for YZ Cassiopeiae 1957-1959
Box 9	Drawings - Lallemand multiplier container 1952-1956
Box 9	Alpha CrB (Gordon and Kron) 1946-1950
Box 9	Leo II undated
Box 9	Spectra plates and tracings 1961
Box 9	Unidentified 1937-1955
	Writings 1935-1987
	Scope and Contents
	This series contains Kron's writings, including reports of work done at Lick Observatory and the U.S. Naval Observatory, abstracts, drafts, talks, and grant proposals, as well as reprints of Kron's published works, patents, and his bibliography.
Box 9	Reprints 1935-1979
	Physical characteristics
	2 folders
Box 9	Annual reports 1936-1965
Box 9	Reports and drafts 1939-1987
Box 9	Grant proposals 1959-1967
Box 11	Patents 1963-1986
Box 9	Bibliography 1978

Subject files 1936-1996

Arrangement

Materials are arranged in alphabetical order by subject.

Scope and Contents

This series contains writings by colleagues, notes, and other research materials collected by Kron, as well as personal memorabilia.

- | | |
|--------|---|
| Box 10 | Eclipsing binaries (Zessewitch, Ferrari, Wyse) undated |
| Box 10 | Eclipsing variables (Henry Norris Russell) 1937 |
| Box 10 | Lallemand translations 1936-1996 |
| Box 10 | Orbit of H.D. 193576 1940-1949 |
| Box 10 | Personal memorabilia 1936-1965 |
| Box 10 | Photometry 1954, 1972 |
| Box 10 | Stellar energy distribution undated |
| Box 10 | Unidentified microfilm undated |
| | Realia undated |
| Box 11 | Edison light bulbs undated |
| Box 11 | Stebbins ruler undated |