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 \* FLOOD FLOW FREQUENCY ANALYSIS \*  
 \* VERSION DATE -- DEC 12,1983 \*  
 \* AFTER BULLETIN 17B, SEPT 1981 \*  
 \* PC VERSION DATE-JUNE 14, 1985 \*  
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[a] 3 pts

\*\*TITLE CARD(S)\*\*

TT Ralston Creek at Iowa City, IA  
 TT Drainage Area: 3.01 sq mi Gage Datum: 663.27 NGVD  
 TT Case A: No Regional Skew

\*\*STATION IDENTIFICATION\*\*

ID USGS 05455000 Ralston Creek at Iowa City, IA

\*\*JOB CARD(S)\*\*

	IPPC	ISKFX	IPROUT	IFMT	IWYR	IUNIT	ISMRY	IPNCH	IREG
J1	0	0	0	0	0	0	0	0	0

\*\*SYSTEMATIC EVENTS\*\*

63 EVENTS TO BE ANALYZED

\*\*END OF INPUT DATA\*\*

ED +++++  
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FINAL RESULTS

-PLOTTING POSITIONS- USGS 05455000 Ralston Creek at Iowa City, IA

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\*.....EVENTS ANALYZED.....\*.....ORDERED EVENTS.....\*

\* \* WATER WEIBULL \*

\* MON DAY YEAR FLOW,CFS \* RANK YEAR FLOW,CFS PLOT POS \*

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*	9	8	1925	266.	*	1	1971	2200.	0.0156	*
*	9	22	1926	370.	*	2	1972	1760.	0.0313	*
*	6	20	1927	800.	*	3	1956	1690.	0.0469	*
*	10	2	1927	383.	*	4	1950	1250.	0.0625	*
*	6	11	1929	396.	*	5	1941	1230.	0.0781	*
*	9	25	1930	905.	*	6	1932	1200.	0.0938	*
*	9	25	1931	254.	*	7	1962	1060.	0.1094	*
*	8	1	1932	1200.	*	8	1967	1040.	0.1250	*
*	12	24	1932	174.	*	9	1965	1000.	0.1406	*
*	7	12	1934	249.	*	10	1969	984.	0.1562	*
*	6	26	1935	570.	*	11	1943	960.	0.1719	*
*	9	1	1936	193.	*	12	1930	905.	0.1875	*
*	2	20	1937	533.	*	13	1942	824.	0.2031	*
*	7	6	1938	466.	*	14	1927	800.	0.2188	*
*	3	12	1939	322.	*	15	1970	764.	0.2344	*
*	8	13	1940	87.	*	16	1959	755.	0.2500	*
*	6	27	1941	1230.	*	17	1948	662.	0.2656	*
*	9	8	1942	824.	*	18	1935	570.	0.2812	*
*	6	1	1943	960.	*	19	1960	558.	0.2969	*
*	1	27	1944	554.	*	20	1944	554.	0.3125	*
*	6	10	1945	155.	*	21	1982	550.	0.3281	*
*	8	2	1946	547.	*	22	1946	547.	0.3438	*
*	6	30	1947	465.	*	23	1937	533.	0.3594	*
*	7	21	1948	662.	*	24	1977	522.	0.3750	*
*	6	23	1949	125.	*	25	1938	466.	0.3906	*
*	7	1	1950	1250.	*	26	1947	465.	0.4062	*
*	7	8	1951	328.	*	27	1961	448.	0.4219	*
*	5	23	1952	220.	*	28	1966	408.	0.4375	*
*	2	19	1953	312.	*	29	1929	396.	0.4531	*
*	8	25	1954	107.	*	30	1928	383.	0.4688	*
*	4	23	1955	166.	*	31	1978	379.	0.4844	*
*	7	18	1956	1690.	*	32	1974	373.	0.5000	*
*	1	21	1957	40.	*	33	1926	370.	0.5156	*

*	7	14	1958	296.	*	34	1981	337.	0.5312	*
*	10	8	1958	755.	*	35	1951	328.	0.5469	*
*	6	4	1960	558.	*	36	1939	322.	0.5625	*
*	11	15	1960	448.	*	37	1953	312.	0.5781	*
*	7	14	1962	1060.	*	38	1958	296.	0.5938	*
*	5	12	1963	158.	*	39	1979	268.	0.6094	*
*	6	22	1964	60.	*	40	1925	266.	0.6250	*
*	9	27	1965	1000.	*	41	1931	254.	0.6406	*
*	5	23	1966	408.	*	42	1973	252.	0.6562	*
*	6	7	1967	1040.	*	43	1934	249.	0.6719	*
*	5	26	1968	187.	*	44	1986	223.	0.6875	*
*	7	8	1969	984.	*	45	1952	220.	0.7031	*
*	9	17	1970	764.	*	46	1936	193.	0.7188	*
*	2	19	1971	2200.	*	47	1968	187.	0.7344	*
*	7	17	1972	1760.	*	48	1985	175.	0.7500	*
*	4	20	1973	252.	*	49	1933	174.	0.7656	*
*	4	28	1974	373.	*	50	1983	167.	0.7812	*
*	3	19	1975	160.	*	51	1955	166.	0.7969	*
*	4	24	1976	122.	*	52	1975	160.	0.8125	*
*	8	16	1977	522.	*	53	1963	158.	0.8281	*
*	6	28	1978	379.	*	54	1945	155.	0.8438	*
*	8	20	1979	268.	*	55	1987	151.	0.8594	*
*	6	2	1980	113.	*	56	1949	125.	0.8750	*
*	4	10	1981	337.	*	57	1976	122.	0.8906	*
*	7	18	1982	550.	*	58	1980	113.	0.9062	*
*	12	2	1982	167.	*	59	1954	107.	0.9219	*
*	6	22	1984	79.	*	60	1940	87.	0.9375	*
*	10	18	1984	175.	*	61	1984	79.	0.9531	*
*	6	30	1986	223.	*	62	1964	60.	0.9688	*
*	6	19	1987	151.	*	63	1957	40.	0.9844	*

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-OUTLIER TESTS -

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 LOW OUTLIER TEST  
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BASED ON 63 EVENTS, 10 PERCENT OUTLIER TEST VALUE K(N) = 2.854

0 LOW OUTLIER(S) IDENTIFIED BELOW TEST VALUE OF 29.7

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 HIGH OUTLIER TEST  
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BASED ON 63 EVENTS, 10 PERCENT OUTLIER TEST VALUE K(N) = 2.854

0 HIGH OUTLIER(S) IDENTIFIED ABOVE TEST VALUE OF 4394.78

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 -SKEW WEIGHTING -  
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BASED ON 63 EVENTS, MEAN-SQUARE ERROR OF STATION SKEW = -99.000

DEFAULT OR INPUT MEAN-SQUARE ERROR OF GENERALIZED SKEW = 0.302  
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FINAL RESULTS

-FREQUENCY CURVE- USGS 05455000 Ralston Creek at Iowa City, IA

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 \*.....FLOW, CFS.....\* \*...CONFIDENCE LIMITS...\*  
 \* EXPECTED \* EXCEEDANCE \* \* \* \* \*  
 \* COMPUTED PROBABILITY \* PROBABILITY \* 0.05 LIMIT 0.95 LIMIT \*  
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[b] 3 pts  
North Branch Ralston Creek

