

Slide Rules of The Frederick Post Company

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Figure 1. Post Logos.

The Frederick Post Company was founded in Chicago in the latter part of the 1890s to manufacture and sell drafting, engineering and surveying supplies and equipment. Post was successful in this endeavor and became the third largest supplier of such equipment (after Keuffel & Esser and Dietzgen) in the United States. Readers are referred to Bob Otnes' article, "Notes on Frederick

Post Slide Rules", in the *Journal of the Oughtred Society*, Vol. 7, No. 1, Spring, 1998, for additional historical information on the Frederick Post Company.

Post sold a wide variety of slide rules, both under its own name and under the names of various manufacturers. Post itself actually made no slide rules; even those rules that bore the Post brand name were manufactured by others. At one time or another Post brand slide rules were made by Dennert & Pape, Nestler, Faber, Hemmi, Charvoz-Roos, Bruning and Gilson. Post also sold branded slide rules from Richardson, Vicari, Boucher, Sexton, Halden, Chandler, Ritow and Winslow.

Before 1932, Post slide rules were made by various German manufacturers. Samples of these rules are so rare that we have not been able to formulate any principles for dating them. However, if the rule is accompanied by a case or literature, it may be possible to date it from the style of the Post logo. Fig. 1 shows how the Post logo was represented in various catalogs from 1910 to 1944.

Note that the words "The Frederick Post Co., Chicago" formed into an oval actually appeared only on the prewar Post 1461 Universal Deluxe Duplex slide rule but on no case or literature of which we are aware. The word "POST" surrounded by an ellipse logo was adopted in 1944 and was retained until Post became Teledyne Post in 1970.

There was little consistency in catalog numbers until the mid 1920s when "1452" was assigned to the top-of-the-line 10-inch Mannheim rule. See Fig. 2. Even though suppliers changed several times, 1452 continued to designate the best 10-inch Mannheim rule (until Post discontinued all 10-inch Mannheim rules except student models in the 1960s).

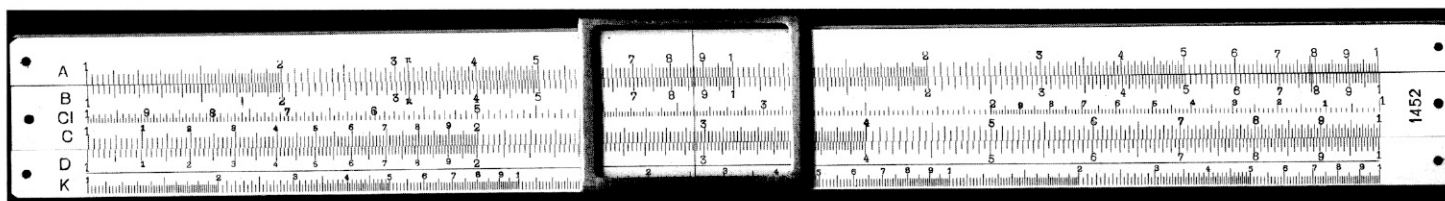


Figure 2. 1452 Multiphase Mannheim

In 1932 Post began buying all of its straight slide rules from Hemmi Keisanjaku in Japan. Except during World War II, Hemmi remained Post's exclusive supplier of slide rules until slide rule sales ceased in the 1970s.

After Post became Teledyne Post in 1970, slide rules were sold under both the Post and Teledyne Post names until 1972. In 1972, the Frederick Post brand name disappeared and the Teledyne Post "44" numbering system was introduced. Teledyne Post ceased selling slide rules

in the mid-1970s.

Post sold Hemmi slide rules exclusively from 1932 to 1941. Hemmi slide rules are easily identified; they are made of bamboo and are always labeled with the Hemmi name. Post-brand Hemmi-manufactured rules that have no date code and are not marked Made in Occupied Japan almost surely date from 1932 to 1941.

Post slide rules marked "Made in USA" date from World War II—about 1942 to 1946. To our knowledge,

that was the only period when Post rules were not imported.

After the war, Post returned to Hemmi for its slide rules. From 1946 through about 1950 these slide rules were labeled "Hemmi, Made in Occupied Japan". About 1951 Hemmi dropped the "Made in Occupied Japan" phrase and replaced it with "Made in Japan" or just "Japan".

The Hemmi Date Code System

At the same time, Hemmi started putting a date code

on its rules. The date code is in the form "HF" where the first letter identifies the year according to the system 1951 = B, 1952 = C, 1953 = D, etc., and the second letter identifies the month according to the scheme A = January, B = February, C = March, etc. Thus, "HF" indicates a slide rule made in June 1957. Hemmi continued with this dating system until the end of production. It is ironic that Hemmi production ended in the 26th year of date coding, 1975, with the last date codes beginning with Z.

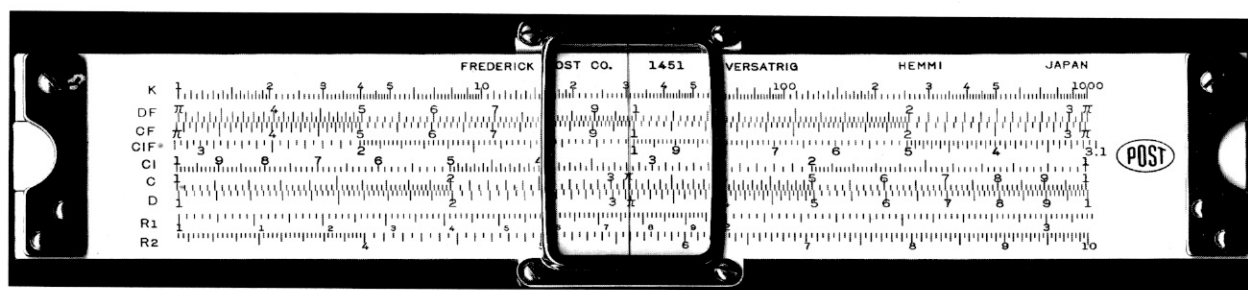


Figure 3. The Post 1451 Pocket (5 in.) Versatrig.

Versalogs and Versatrigs

Post brand slide rules were usually relabeled standard products from well-known manufacturers, but about 1951 Hemmi began producing the model 1450 10-inch Versatrig and the 1460 10-inch Versalog specifically for Post. Hemmi never sold these rules under the Sun-Hemmi brand name; they were sold only by Post in the United States and the Hughes-Owens Company (and its successor, Geotec) in Canada. These were extraordinarily successful slide rules; the 1460 Versalog appears on nearly all collectors' lists of favorite slide rules. About 600,000 Versalogs were made.

The extraordinary success of the Versatrig and Versalog prompted the introduction of the 1451 (see Fig. 3) five-inch Versatrig and the 1461 five-inch Versalog about 1957.

Brief History of the Versalog

June 1951. The first Versalog appears. It bears the unusual markings "Copyright 1951" on the top edge and "Hemmi No. 258" on the front face, in addition to the usual "Cat. No. 1460 Versalog The Frederick Post Co. Hemmi Bamboo - Japan", and the date code BF, on the top edge. It is in a cardboard Hemmi slip case with a Hemmi No. 258 label on its end.

Several changes are made in the Versalog's labeling and scales over its 22 years of production.

Late 1954. "The" is dropped from the company name imprinted on the top edge, leaving just "Frederick Post Co."

October 1956. Serial numbers start. Versalog serial numbers by year were:

1956	700001	through about 709000
1957	800001	845800
1958	900001	922300
1960	100001	125200
1961	200001	240700
1962	300001	338000
1963	400001	420000
1964	500001	523700
1965	600001	615300
1966	700001	736200
1967	800001	840200
1968	900001	?

Why did Hemmi start Versalog serial numbers with 700001 in 1956? In 1956 the Hemmi year code was "G", the seventh letter of the alphabet.

August, 1958. The tiny (1 mm high) two-letter date code is moved from its place on the top edge, after the word "Japan", to the bottom edge, and is only stamped into the celluloid, between the metal end braces. It is not colored and is sometimes quite faint, requiring magnification to find and read it.

Early 1960. The COS scale is changed from navy to green; labeling is moved from the top to the bottom edge; "Cat No." is dropped, leaving only 1460. Our notation for this rule is type 1b; prior rules are type 1a.

Late 1961. Bamboo is dropped from the labeling, leaving only Hemmi Japan.

Late 1968. Serial numbers on the rules are discontinued.

Late 1968. Scales are rearranged and an A scale is added. Post called this slide rule the "Versalog II", although this name appears only on packaging and manuals and is not imprinted on the rule. Several scale labeling changes accompany this addition.

About August, 1972 is the last known Post Versalog II date code (WH). The first Teledyne-Post Versalog II (new model number 44CA-600) appeared a little before then, in June 1972. The last T-P Versalog of which we know also bears date code WH (August 1972). It thus appears that Teledyne Post sold Post Versalog old stock until it was exhausted, concurrently with new rules bearing Teledyne Post labeling.

Versalog Cases were provided in three basic varieties:

- The familiar high-quality cordovan color leather case (which has several variants). Versalogs sold

in this case were listed as 1460L.

- The “fabricoid” case, black, with black leather flap. Versalogs in this case were listed as 1460F and were a few dollars lower in price than 1460L.
- The molded gray plastic case, catalog number 1460M. This version carried a lower price than 1460L.

Versalogs were also shipped in two-piece cardboard slipcases (1460C), as well as vinyl imitations of the cordovan leather case.

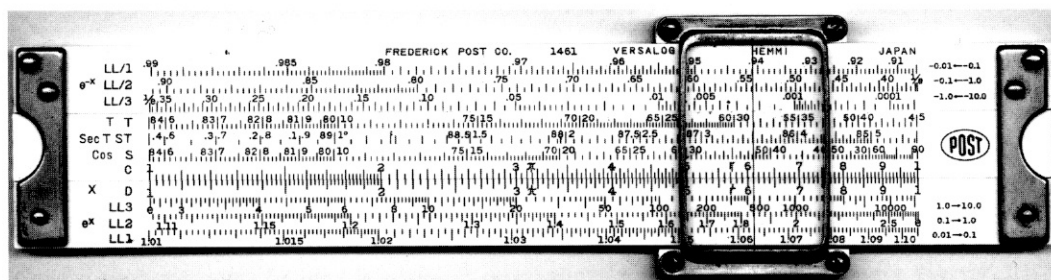


Figure 4. An example of the Post 1461 Pocket Versalog.

The Post 1461 Pocket (5 in.) Versalog

The 5-inch pocket Versalog 1461 was introduced about August 1957. The first models have exposed bamboo edges, which changed to celluloid-covered edges in late 1962. The changes from navy COS scale to green COS scale and the addition of the A scale coincided with those changes in the Versalog 1460. About 100,000 model 1461 pocket Versalogs were made.

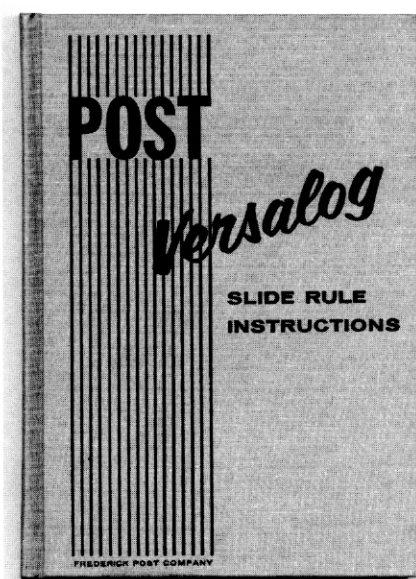


Figure 5. Cover of a Post Versalog manual.

Versalog Manuals

High-quality hardback Versalog manuals were pub-

lished by Post in 1951, 1962, and 1963, with the latter two describing the change of the COS scale to green. The 1963 version mentions the 5-inch Versalog 1461 for the first time. Teledyne Post also published Versalog manuals in paperback for the Versalog II, with copyright dates of 1970 and 1971.

Letters in Post Catalog and Model Numbers

L is the most common letter included in Post slide rule catalog numbers. **L** simply indicates a slide rule sold with a leather case. For example, in 1932 the Post 1448 slide rule cost \$4.75 and the 1448L slide rule, with leather case, cost \$5.50. This is one of the instances where the Post catalog number was different from the model number; both of these rules were model 1448.

F was the suffix used in Post catalogs to indicate a downgrade to a black “fabricoid” case with leather flip-top. **M** indicated a molded plastic case. No Post slide rule actually bore the letters **L**, **F**, or **M**.

When Hemmi added a **K** scale to some of its rules, it added the letter “**K**” to its model designation; thus, the Hemmi 34RK is just a Hemmi 34R with a **K** scale added. Post followed Hemmi’s lead in this matter; the Post 1444 is a relabeled Hemmi 34R and the Post 1444K is a relabeled Hemmi 34RK.

W is another letter carried over from Hemmi. The Post 1452W is a relabeled Hemmi 50W; these rules are about 6 mm wider than the older Post 1452/Hemmi 50.

D was used on several low-quality rules made during World War II when Japanese Hemmi rules were unavailable. The 1444D, 1446D, 1447D and 1452D were made

by Charvoz-Roos. Charvoz also made some World War II rules that did not carry a suffix: 1442, 1457 and 1462. All these slide rules were discontinued after the war.

P generally denoted an all-plastic slide rule. The Post 1444P and 1452P were high-quality all-plastic slide rules made by Charles Bruning Company during World War II. It appears that Post liked the 1444P so much that it continued to sell them with Hemmi cursors for a few years after the war. The Post 1445P and 1447P were postwar all-plastic rules manufactured by Hemmi.

After the war, Post returned to importing Hemmi slide rules from Japan, including the Hemmi model 159 slide rule. The Hemmi 159 scale arrangement had already been used during the war on the Post 1462 (manufactured by Charvoz-Roos), so the Post catalog number assigned to the Hemmi rule was 1462H. We know of no other H-suffix Post slide rules.

T indicated an "extra thin" slide rule.

Other Letters: In pre-Hemmi days Post often used the letters A, B, C, etc. in its catalogs to indicate related non-Post-brand slide rules. For example, in the 1921 Post catalog, 1437, 1437A, 1437B, and 1437C indicated different models of Richardson slide rules. These were catalog numbers, not model numbers; we don't believe that these numbers actually appeared on the rules. See Figures 6 and 7 at the end of the article for examples of the Post 1490 Frequency Response and the 1491 Chemists rules.

Teledyne Post

Teledyne continued the old numbering system for a few years after it took over Post in 1970 but, about 1972, Teledyne Post introduced the "44" numbering system. In this system, the last place in the catalog number indicated various combinations of case, instructions, and display boxes. For example, the Teledyne Post model number for the 5-inch pocket Versalog was 44DA-610, but, when sold with an instruction manual, the catalog number was 44DA-61L; and when sold without the instruction manual, the catalog number was 44DA-61O (letter "O").

Post Model Numbers and Tables

We have listed, in the accompanying tables, every slide rule sold by Post or Teledyne Post for which we can establish a catalog number. (Listing all slide rules ever sold by Post is an impossible goal; Post sold many special-purpose rules that were not listed in its catalogs. To quote the 1921 Frederick Post Catalog: "We also make a number of other special slide rules, which we do not list in our catalogue, but shall be glad to send particulars upon request.")

Many Post catalog numbers were duplicated over the years, with 1444 being the most popular. There are 16 different rules bearing the number 1444, including suffixes, from 1910 to 1971. Some are variants within the

1444 model number series, and some are completely different rules. The 1452 series also has several variants.

The 1460 Versalog itself shares its catalog number with two other totally different rules, the 1460 Ritow High School Mannheim 10-inch rule from the 1925 catalog, and the 1460 Engineer's Universal Duplex 20-inch rule from the 1936 catalog.

The 10-inch model 1461, listed in the 1936 catalog, has likewise caused considerable confusion with the popular 5-inch pocket Versalog model 1461.

The tables give the catalog number and characteristics of each rule. Important variants of each slide rule are listed separately. We considered the following factors to be important enough to warrant listing slide rules as separate variants:

- Different manufacturers.
- Different arrangements of scales.
- Different model names or numbers on the rules.

The following factors do not warrant separate listing: Presence or absence of scale labels; Different cursors (Hemmi Mannheim rules generally had reversed "C" cursors through 1936 and conventional cursors from 1937 on. Some of the cheaper rules acquired plastic cursors in the 1960s); Different locations of name, model number or other information on the slide rules; Different cases, instructions, or any other characteristic not actually on the slide rules.

According to these rules the Post 1460 Versalog slide rule with green COS scale (1b) does not warrant a separate listing from the 1460 Versalog with navy COS scale (1a). Nevertheless, we have listed these as separate variants because the Versalog is so popular among collectors.

Acknowledgement and Disclaimer

We owe particular thanks to the many slide rule collectors who shared information with us. Among these are Ed Chamberlain, David Crate, Don DiGalbo, Jay Francis, John Irving, Craig Kielhofer, Mike Larson, Bob Otnes, Dick Rose, Warren Salomon, Skip Solberg and John Thomas.

This article is based on our own collections of Post slide rules, Frederick Post catalogs and price lists, various instruction manuals and other documents, and information from other collectors. We believe our statements to be accurate, but much of our knowledge rests upon weak or ambiguous evidence so there are surely quite a few errors. We shall be indebted to anyone who can supply corrections or new information. Please address correspondence to Ted Hume (tedandrose@aol.com), P.O. Box 63021, San Angelo, TX 76906 or to Paul Ross (pross@axs.net), RR. 1, Box 391, Fair Grove, MO 65648.

Post Table, Page 1

	Type	Length	Material	Front	Back	Dates	Comment
1431 Post Adjustable	Mannheim	5	Celluloid Mahogany	cm // A [B, C] D		1910	Catalog illus marked <i>Dennert & Pape</i> . \$3.50.
1432 Post Adjustable	Mannheim	10	Celluloid Mahogany	cm // A [B, C] D		1910	10-inch version of 1431. <i>Dennert & Pape</i> . \$4.25.
1433 Post Adjustable	Mannheim	20	Celluloid Mahogany	cm // A [B, C] D		1910	20-inch version of 1431. <i>Dennert & Pape</i> . \$12.50.
1434 Post Engineer's	Mannheim	10	Celluloid Mahogany	cm // E, A [B, C] D, F		1910	E is log scale, F is cube scale. <i>Dennert & Pape</i> . \$5.00.
1435 Post Eureka	Mannheim	5	Celluloid Mahogany	cm // L [?, BI, CI] DF These scales uncertain	[KI, BI] These scales uncertain	1910	'Direct reading of three halves and two thirds powers.' <i>Dennert & Pape?</i> \$3.00.
1436 Post Eureka	Mannheim	10	Celluloid Mahogany	cm // L [?, BI, CI] DF These scales uncertain	[KI, BI] These scales uncertain	1910	10-inch version of 1435. <i>Dennert & Pape?</i> \$3.50.
1437 Post Nautical	Mannheim	10	Celluloid Mahogany	27 cm // 1 num [2 num, 3 winkel] 4 log	'sines, cosines, and tangent table'	1910	<i>Dennert & Pape?</i> \$5.50.
1437 <i>Richardson's Direct Reading Metal Slide Rule 10-inch Mannheim</i>	Richardson	10	Metal	SIN, A [B, C] D, TAN, LOG	None	1921	
1437A <i>Richardson's Direct Reading Metal Slide Rule Pantocrat Mannheim</i>	Richardson	10	Metal	SIN, A [B, +/-, C] D, TAN, LOG	None	1921	Addition and subtraction scales.
1437B <i>Richardson's Direct Reading Metal Slide Rule Polymetric</i>	Richardson	10	Metal	SIN, A [B, CI, C] D, TAN, LOG	None	1921	
1437C <i>Richardson's Direct Reading Metal Slide Rule Binary Polymetric</i>	Richardson	10	Metal	SIN, A [C, CI, R] D, TAN, LOG	None	1921	R scale divided in fractions.
1437 Post Four-Inch Mannheim	Mannheim	4	Celluloid Bamboo	4 in // A [B, C] D	[S, L, T] // 10 cm	1936 -WW II	1440 w vertical top edge. Also labeled Hemmi 35.
1438 Post Logarithmic	Mannheim	10	Celluloid Mahogany	?, ?, A [B, C] D, ?		1910	Weight of sheet iron, pipes, bars, etc in one setting. <i>Dennert & Pape?</i> \$6.50.
1438 Post Five-Inch Mannheim Multiphase	Mannheim	5	Celluloid Bamboo	A [B, CI, C] D	[S, L, T]	1936 -WW II	Hemmi 34R.
1439 Vicari's Sewer Slide Rule	Mannheim	10	Celluloid Mahogany	cm // Four scales		1910	Direct calculation of circular or egg-shaped sewers at any water level. \$5.50.
1440 Post Engineer's	Mannheim	10	Bare Boxwood	cm // A [B, C] D	? // cm	1903	Brass Indicator. <i>Dennert & Pape?</i> \$4.00.
1440 Faber's Slide Rule for School Use	Mannheim	10	Painted Wood	cm // A [B, C] D		1910	Celluloid indicator? \$3.00.
1440 Post High School Mannheim	Mannheim	10	Bare Boxwood	0 // A [B, C] D	[L] // 0	1925-31	Celluloid indicator. Faber-Castell? \$1.20 in 1927.
1440 Post Vest Pocket	Mannheim	4	Celluloid Bamboo	4 in // A [B, C] D	[S, L, T] // 10 cm	1936 -WW II	Hemmi 30.
1441 Post Improved Engineer's	Mannheim	10	Celluloid Mahogany	cm // A [B, C] D	[S, L, T]	1903	Aluminum-framed glass indicator; 3 hairlines. <i>Dennert & Pape?</i> \$4.50.
1441 Faber's Slide Rule	Mannheim	10	Painted Wood	cm // A [B, C] D		1910	1440 w glass indicator. \$3.50.
1441 Post Vest Pocket with Magnifying Cursor without CI Scale	Mannheim	4	Celluloid Bamboo	4 in // A [B, C] D	[S, L, T] // 10 cm	1936 -WW II	Hemmi 32.
1441 Post Vest Pocket with Magnifying Cursor with CI Scale	Mannheim	4	Celluloid Bamboo	4 in // A [B, CI, C] D	[S, L, T] // 0	1949 +	Hemmi 32. \$5.95 c 1967.
1442 Post Five-Inch Pocket	Mannheim	5		A [B, C] D	[S, L, T]	c. 1923?	German 'Open, divided.'
1442 Post Improved Engineer's	Mannheim	20	Celluloid Mahogany	A [B, C] D	[S, L, T]	1903	Aluminum-framed glass indicator. \$17.00.
1442 Faber's Slide Rule for School Use	Mannheim	10	Celluloid Wood	cm // A [B, C] D		1910	1441 w celluloid facing. \$3.50.
1442 Post High School Mannheim	Mannheim	10	Celluloid Mahogany	in // A [B, C] D	[L] // cm	1925-31	Metal-framed glass indicator. Faber-Castell. \$3.60 in 1927.
1442 Post Dual Slide Rule	Duplex	5	Celluloid Wood	K, A [B, S, T, C] D, DI	[L, C2, C1] D1, D2, D	WW II	Charvoz-Roos SR-108. Plastic ends. \$6.50 in 1945.

Post Table, Page 2

	Type	Length	Material	Front	Back	Dates	Comment
1443 Post Engineer's	Mannheim	10	Metal	A [B, C] D	[S, L, T]	1903	Brass Indicator. \$12.00.
1443 Faber's Slide Rule for School Use	Mannheim	5	Celluloid Wood	cm // A [B, C] D		1910	5-inch version of 1442. \$3.00.
1443 Post	Mannheim	10	Painted Wood	A [B, C] D	[S, L, T]		Post's 1443 on box, Albert Nestler on rule.
1443 Post Vest Pocket Extra Thin	Mannheim	5	Celluloid Bamboo	5 in // A [B, C] D	Blank 0	1932 - WW II	Hemmi 34P. \$1.35 in 1932.
1444 Post	Mannheim	10		cm // A [B, C] D	[S, L, T]	c. 1923?	German.
1444A Post Rietz	Mannheim	10		F, A [B, C] D, E	[S, L, T]	c. 1923?	German.
1444 Faber's Improved Calculating Rule	Mannheim	10	Celluloid Wood	cm // A [B, C] D		1910	Celluloid facing, glass indicator. \$4.00.
1444A Faber's Improved Slide Rule	Mannheim	10	Celluloid Wood	in // A [B, C] D	[S, L, T] cm	1910	A. W. Faber-Castell 360. \$4.50.
1444B Faber's Improved Slide Rule	Mannheim	20	Celluloid Wood	in // A [B, C] D	[S, L, T] cm	1910	20-inch version of 1444A. \$12.00.
1444C Faber's Improved Slide Rule, Electric	Mannheim	10	Celluloid Boxwood	in? // A [B, C] D	// cm	1910	'Without decimals.' \$5.00.
1444 Post Standard Mannheim	Mannheim	10	Celluloid Wood	in? // A [B, C] D		1921	Same as 1444 Faber.
1444A Post Standard Mannheim	Mannheim	10	Celluloid Wood	in // A [B, C] D	[S, L, T] cm	1921	Same as 1444A Faber.
1444C Post Standard Mannheim (Electric)	Mannheim	10	Celluloid Boxwood	in // A [B, C] D	[S, L, T] cm	1921	Same as 1444C Faber.
1444 Post Students' Mannheim	Mannheim	10	Bare Boxwood	0 A [B, C] D	[S, L, T] 0	1925 - 31	1440 plus S & T. Faber-Castell. \$1.38 in 1927.
1444 Post Vest Pocket Extra Thin	Mannheim	5	Celluloid Bamboo	5 in // A [B, C], C] D	[S, L, T] 0	1936 - WW II	Shorter than later 1444, 1444K. Hemmi 34R.
1444K Post Vest Pocket	Mannheim	5	Celluloid Bamboo	5 in // A [B, C], C] D, K	[S, L, T] 0	1940, 1946+	Hemmi 34RK with inches instead of cm. \$4.25 in 1949.
1444K Post Vest Pocket Variant: Labeled Post 1444 but sold as Teledyne Post 1444K.	Mannheim	5	Celluloid Bamboo	5 in // A [B, C], C] D, K	[S, L, T] 0	1971	1444K on case.
1444D Post Commerce (Made in USA)	Mannheim	5	Celluloid Wood	0 A [B, C], C] D, K	[S, L, T] 0	WW II	Charvoz-Roos PSR-102. No inch or cm scale. \$2.25 in 1944.
1444D Post Commerce Variant: No brand name or model number, only Made in U.S.A.	Mannheim	5	Celluloid Wood	0 A [B, C], C] D, K	[S, L, T] 0	WW II	Same as above.
1444P Post Five-Inch Plastic. Made in U.S.A.	Mannheim	5	Plastic	12.5 cm // A [B, C], C] D, K	[S, L, T] // 5 in	WW II	Bruning 2401; cursor by Bruning. Post or Hemmi. Hemmi magnifying cursor also available. \$3.75 in 1944.
1444P Post Five-Inch Plastic Variant: No brand name or model number, not even 'Made in U.S.A.'	Mannheim	5	Plastic	12.5 cm // A [B, C], C] D, K	[S, L, T] // 5 in	WW II	As above. Post case and cursor.
1445 A W Faber Calculating Rule	Mannheim	10	Bare Boxwood			1903	Nickeled metal indicator. \$3.50.
1445 Post Vest Pocket Extra Thin	Mannheim	5	Celluloid Bamboo	5 in // DF [CF, CI, C] D	[S, L, T] 0	1932 - WW II	Hemmi 34π. \$3.15 in 1936.
1445 Post Eight-Inch Student	Mannheim	8	Celluloid Bamboo	0 K, DF [CF, CI, C] D, A	[TI, L, SI] 0	c. 1964+	Some Tab-punched vinyl case. Hemmi 45K. \$3.00.
1445P Post Eight Inch Student	Mannheim	8	Plastic	0 K, DF [CF, CI, C] D, A	[TI, L, SI] 0	1965	Hemmi P45D.
1446 A W Faber Calculating Rule	Mannheim	10	Celluloid Wood			1903	1445 w celluloid face. \$3.75
1446 Boucher Calculator	Watch					1910	Enameled dial. \$8.50.
1446A Boucher Calculator	Watch					1910	Silvered dial. \$14.00.
1446 Post Student Mannheim	Mannheim	10	Celluloid Mahogany	in // A [B, C] D	[S, L, T] // cm	1925 - 31	1442 plus S & T. Faber-Castell. \$4.20 in 1927.
1446 Post Student Mannheim	Mannheim	10	Celluloid Bamboo	0 A [B, C] D	[S, L, T] 0	1932 - 49+ exc WW II	Hemmi 40. C Cursor until 1937. \$3.50 in 1936.
1446D Post Student	Mannheim	10	Painted Wood	26 cm // A [B, C], C] D, K	[S, L, T] 10 in	WWII	Charvoz-Roos. One-piece plastic cursor. \$1.25 in 1944.

Post Table, Page 3

	Type	Length	Material	Front	Back	Dates	Comment
1446 Post Student	Mannheim	10	Painted Wood	26 cm // A [B, Cl, C] D, K	[S, L, T] // 10 in	WWII	Charvoz-Roos. Celluloid cursor. \$1.50 in 1945.
1447 Sexton's Omnimeter No. 1	Circular	7.25	Bristol board			1910	\$1.00.
1447A Sexton's Omnimeter No. 2	Circular	7.25	Non-absorbent			1910	\$2.00.
1447B Sexton's Omnimeter No. 3	Circular	7	Bristol board			1910	\$3.00.
1447C Sexton's Omnimeter No. 6	Circular	6.25	Cardbrd			1910	\$2.00.
1447 Post Student	Mannheim	10	Celluloid Bamboo	0 // A [B, Cl, C] D, K	[S, L, T] // 0	1940 + exc WW II	Hemmi 40RK. Post 1446 plus Cl and K. \$2.50 in 1932; \$3.95 in 1970. 1447-22 = Instruction Kit
1447 Post Vest Pocket	Mannheim	4	Celluloid Bamboo	4 in // A [B, C] D	[S, L, T] // 10 cm	1932	Hemmi 30. Later renumbered to Post 1440. \$2.50.
1447A Post Vest Pocket	Mannheim	4	Celluloid Bamboo	4 in // A [B, C] D	[S, L, T] // 10 cm	1932	Possibly same as 1447 and 1447M except cheaper cursor. \$2.10.
1447M Post Vest Pocket w Magnifying Cursor	Mannheim	4	Celluloid Bamboo	4 in // A [B, C] D	[S, L, T] // 10 cm	1932	Hemmi 32 w Sun cut into aluminum plate. Later renumbered to Post 1441. \$3.00.
1447D Post Student	Mannheim	10	Celluloid Wood	0 // A [B, Cl, C] D, K	[S, L, T] // 0	WW II	Charvoz Roos SR 105D. \$2.00 in 1945.
1447 Post Student	Mannheim	10	Celluloid Wood	0 // A [B, Cl, C] D, K	[S, L, T] // 0	WW II	Same as above. No 'D' in model number.
1447 DP Post Projection	Projection	10	Acrylic	A [B, Cl, C] D, K	A [S, L, T] D, K	1969	Overhead projectors. \$25.00 in 1969. Hemmi.
1447P Post Student	Mannheim	10	Plastic	0 // A [B, Cl, C] D, K	[S, L, T] // 0	1967	Dark gray endpieces. Hemmi.
1448 A W Faber Improved Calculating Rule	Mannheim	10	Celluloid Wood			1903	With tension adjuster. \$4.25.
1448 Halden Calculex	Watch	2.4				1910	\$5.00.
1448 Post Mannheim Adjustable	Mannheim	5	Celluloid Mahogany	in // A [B, C] D	[S, L, T] // cm	1925 - 31	5-inch 1449. Faber-Castell. \$5.70 in 1927.
1448 Post Student Mannheim (C cursor)	Mannheim	5	Celluloid Bamboo	in // A [B, C] D	[S, L, T]	1932 - 39	Hemmi 34. \$4.75 in 1932.
1449 Chandler's Adding and Subtracting Scale	Circular		Celluloid			1910	\$1.00.
1449 Post Mannheim Adjustable	Mannheim	10	Celluloid Mahogany	in // A [B, C] D	[S, L, T] // cm	1925 - 31	Faber-Castell. \$6.60 in 1927.
1449 Post Student Mannheim (C cursor)	Mannheim	10	Celluloid Bamboo	10 in // A [B, C] D	[S, L, T]	1932 - WW II	Hemmi 50. \$5.50 in 1932.
1449T Post Extra Thin Mannheim	Mannheim	10	Celluloid Bamboo	10 in // A [B, C] D	[S, L, T]	1940	Hemmi 50.
1450 Post Mannheim Adjustable	Mannheim	20	Celluloid Mahogany	in // A [B, C] D	[S, L, T] // cm	1925 - 31	10-inch 1449. Faber-Castell. \$16.80 in 1927.
1450 Post Student Mannheim (C cursor)	Mannheim	20	Celluloid Bamboo	in // A [B, C] D	[S, L, T]	1936 - WW II	20-inch 1449. Hemmi 70?
1450 Post Versatrig	Duplex	10	Celluloid Bamboo	K, DF [CF, CIF, Cl, C] D, R1, R2	L, A [T T, Sec T ST, Cos, S, C] D, DI	1951+	Hemmi. \$16.75 in 1969.
1450DP Post Projection Versatrig	Duplex	10	Acrylic	K, DF [CF, CIF, Cl, C] D, R1, R2	L, A [T T, Sec T ST, Cos, S, C] D, DI	1969	Overhead Projectors. Hemmi.
1451 Post Universal (C Cursor)	Mannheim	5	Celluloid Bamboo	in // A [B, Cl, C] D, K	[S, L, T]	1936 - WW II	5-inch 1452. Hemmi 34RK.
1451 Post Pocket Versatrig	Duplex	5	Celluloid Bamboo	K, DF [CF, CIF, Cl, C] D, R1, R2	L, A [T T, Sec T ST, Cos, S, C] D, DI	c.1957 +	5-inch 1450. Hemmi.
1452 Post Multiphase Mannheim	Mannheim	10	Celluloid Mahogany	10 in // A [B, Cl, C] D, K	[S, L, T] // 26 cm	1925 - 31	Catalog shows rimless indicator w 3 hairlines but sample is aluminum w 1 hairline. Faber.
1452 Post Universal	Mannheim	10	Celluloid Bamboo	10 in // A [B, Cl, C] D, K	[S, L, T] // 28 cm	1932 - c. 1963	Hemmi 50. C cursor until 1937. \$6.25 in 1932.
1452T Post Extra Thin Universal	Mannheim	10	Celluloid Bamboo	10 in // A [B, Cl, C] D, K	[S, L, T] // 28cm	1940	Hemmi.
1452W Post Universal	Mannheim	10	Celluloid Bamboo	10 in // A [B, Cl, C] D, K	[S, L, T] // 27 cm	c. 1955+	Hemmi 50W. 6mm wider than old 1452.
1452 Post Universal	Mannheim	10	Celluloid Bamboo	10 in // A [B, Cl, C] D, K	[S, L, T] // 27 cm	1971	On wide Hemmi 50W blank but no 'W' in number. 1452W on box.

Post Table, Page 4

	Type	Length	Material	Front	Back	Dates	Comment
1452D Post Universal	Mannheim	10	Celluloid Wood	10 in // A [B, CI, C] D, K	[S, L, T] // 25 cm	WWII	Charvoz-Roos SR-1074. \$3.50 in 1944.
1452P Post Plastic	Mannheim	10	Plastic	10 in // A [B, CI, C] D, K	[S, L, T] // 25 cm	WWII	Bruning 2420 w Post, Bruning or Hemmi plain cursor or Hemmi magnifying cursor.
1452 Post Plastic Variant: No make or model number, only <i>Made in U.S.A.</i>	Mannheim	10	Plastic	10 in // A [B, CI, C] D, K	[S, L, T] // 25 cm	WWII	Same as above. <i>Post</i> case and cursor. \$3.25 in 1945.
1453 Post Universal Extra Fine	Mannheim	5	Celluloid Bamboo	in // A [B, CI, C] D, K	[S, L, T] // cm	1936 - WW II	Magnifier & extra-fine divisions. Hemmi.
1454 Post Multiphase Mannheim	Mannheim	20	Celluloid Mahogany	in // A [B, CI, C] D, K	[S, L, T] // cm	1925 - 31	Faber-Castell. \$19.20 in 1927.
1454 Post Universal (C Cursor)	Mannheim	20	Celluloid Bamboo	in // A [B, CI, C] D, K	[S, L, T]	1936 - WW II	20-inch 1452. Hemmi 70.
1455 Post Universal (C cursor)	Mannheim	10	Celluloid Bamboo	10 in // A, DF [CF, CI, C] D, L	[S, S&T, T] // 28 cm	1936 - WW II	Hemmi
1456 Post Electrical	Mannheim	10	Celluloid Mahogany	in // LL2, A [B, C] D, LL3	[S, L, T] // cm. Dynamo and motor efficiency scales in gutter.	1925 - 31	Same as Faber-Castell 378. \$9.30 in 1927.
1456 Post Electrical	Mannheim	10	Celluloid Bamboo	10 in // LL2, A [B, CI, C] D, LL3	[S, L, T] Dyn/Motor scale in gutter?	1932 - WW II	Hemmi 80. C cursor until 1937. \$7.75 in 1932.
1457 Post Mannheim-Trig	Simplex	10	Celluloid Wood	T, DF [CF, CIF, C] D, S, ST	[B, K, L, C]	WWII	Charvoz-Roos SR-109. 1462 without scales on backs of stators.
1458 Post Multiphase Duplex	Duplex	10	Celluloid Mahogany	DF [CF, CIF, C] D		1925 - 27	Faber-Castell. \$10.20. First Post duplex.
1458 Post Universal Duplex	Duplex	10	Celluloid Bamboo	DF [CF, CI, C] D	K, A, [B, S, T, CI] D, L	1932 - WW II	Hemmi 150.
1459 Post Universal Log Log Duplex	Duplex	10	Celluloid Bamboo	K, A [B, CI, C] D, T	Θ, R ₀ , P, [Q, Q', C] LL3, LL2, LL1	1932 - WW II	Model number may not appear on rule. Hemmi 152. \$12.00 in 1932.
1460 Ritow High School	Mannheim	10	Bare Boxwood	A1, A2 [B1, B2, C] D, L		1925 - 27	Scales uncertain. \$4.35 in 1927.
1460 Post Electrical Engineer's Universal Duplex	Duplex	20	Celluloid Bamboo	DF, P', P [Q, CF, CI, Sθ] A, D, K	Sx, Tx, Tθ [Th, Sh, Sh, C] D, L, χ	1932 - WW II	Hemmi 154. Two Cursors! some w scale letters etched into glass.
1460 Post Versalog Variant Ia: COS in navy	Duplex	10	Celluloid Bamboo	LL0, LL/0, K, DF [CF, CIF, CI, C] D, R1, R2, L	LL/1, LL/2, LL/3, [TT, Sec T ST, Cos S, C] D, LL3, LL2, LL1	1951- 60	Hemmi 258. Serial numbers start c. 10/56 w 700001.
1460 Post Versalog Variant 1b: COS in green	Duplex	10	Celluloid Bamboo	LL0, LL/0, K, DF [CF, CIF, CI, C] D, R1, R2, L	LL/1, LL/2, LL/3, [TT, Sec T ST, Cos S, C] D, LL3, LL2, LL1	1960- 68	Serial nos approx 110000 - 920000. Late may not have serial.
1460 Post Versalog Variant II: A scale and 'R' (in SRT) added.	Duplex	10	Celluloid Bamboo	LL/0, K, A, DF [CF, CIF, CI, C] D, R1, R2, LL0	L, LL/1, LL/2, LL/3, [TT, Sec T SRT, Cos S, C] D, LL3, LL2, LL1	1968- 72	\$29.75 w leather case. 1460F = fabricoid case; 1460L = leather case; 1460M = molded plastic case. No serial numbers.
1460 DP Post Projection Versalog	Projection	10	Acrylic	LL/1, LL/2, LL/3 [TT, Sec T ST, Cos S, C] D, LL3, LL2, LL1	LL0, LL/0, K, DF [CF, CIF, CI, C] D, R1, R2, L	1969	Overhead projector. Scales correspond to Versalog Ib. Hemmi.
1461 Universal Deluxe Duplex	Duplex	10	Celluloid Bamboo	L, K, A [B, CI, C] D, T, G ₀	Θ, R ₀ , P [Q, Q', C] LL3, LL2, LL1	1932 - WW II	Unique oval logo. Model number may not appear on rule. Hemmi 153.
1461 Post Blank Slide Rule	Duplex	10	Celluloid Bamboo	Blank	Blank	1943	Hemmi. eBay 9/98 \$227.
1461 Post Pocket Versalog Variant Ia: COS in navy	Duplex	5	Celluloid Bamboo	LL0, LL/0, K, DF [CF, CIF, CI, C] D, R1, R2, L	LL/1, LL/2, LL/3 [TT, Sec T ST, Cos S, C] D, LL3, LL2, LL1	c. 1957- 60	Hemmi. Five-inch version of 1460.
1461 Post Pocket Versalog Variant 1b: COS scale in green	Duplex	5	Celluloid Bamboo	LL0, LL/0, K, DF [CF, CIF, CI, C] D, R1, R2, L	LL/1, LL/2, LL/3 [TT, Sec T ST, Cos S, C] D, LL3, LL2, LL1	1960- 68	Hemmi. \$16.50 C 1967.
1461 Post Pocket Versalog Variant II	Duplex	5	Celluloid Bamboo	LL/0, K, A, DF [CF, CIF, CI, C] D, R1, R2, LL0	L, LL/1, LL/2, LL/3, [TT, Sec T SRT, Cos S, C] D, LL3, LL2, LL1	1968- 72	Hemmi. <i>Post Versalog II Pocket Slide Rule</i> on box.

Post Table, Page 5

	Type	Length	Material	Front	Back	Dates	Comment
1462 Ritow High School	Mannheim	10	Celluloid Boxwood	A1, A2 [B1, B2, C] D, L		1925 - 27	Scales uncertain. \$7.00 in 1927.
1462 Post Power Trig Made in USA.	Duplex	10	Celluloid Wood	T, DF [CF, CIF, CI, C] D, S, ST	LL0, LL00, A [B, K, L, C] LL3, LL2, LL1	WWII	Charvoz-Roos. Black plastic endpieces.
1462 Post Power Trig (Model name not on rule) Made in USA.	Duplex	10	Celluloid Wood	LL0, LL00, A [B, K, L, C] LL3, LL2, LL1	T, DF [CF, CIF, CI, C] D, S, ST	WW II	Charvoz-Roos. 1945 price list (\$10.50) shows these scales.
1462 Post (No model name on rule) Made in USA	Duplex	10	Celluloid Wood	T, DF [CF, CIF, CI, C] D, S, ST	LL0, LL00, A [B, K, L, C] LL3, LL2, LL1	WW II	Charvoz-Roos. Cream plastic or metal endpieces.
1462 Post Post-Trig (Model name not on rule) Made in USA	Duplex	10	Celluloid Wood	LL0, LL00, A [B, K, L, C] LL3, LL2, LL1	T, DF [CF, CIF, CI, C] D, S, ST	WW II	Instructions show these scales, four- screw cursor, Plastic endpieces.
1462H Post Postrig	Duplex	10	Celluloid Bamboo	T, DF [CF, CIF, CI, C] D, S, ST	LL0, LL00, A [B, K, L, C] LL3, LL2, LL1	1949 +	Hemmi 159. \$18.00 in 1949.
1463 Ritow Students' Manifold	Mannheim	10	Bare Boxwood	S1, S2, D1, D2, D3 [C1, C2, C3, ?] D, R1, R2		1925 - 31	Scales uncertain. Celluloid indicator. Claims single, double and triple- length scales.
1463 Post Midget Circular (No brand on rule, Post 1463 on instructions.)	Circular	4.25	Metal	C, CI, L, A, A, LL3, LL3, Fractions, Drill bits, etc.	Degrees, Sines Tangents three each	1936 - 49 exc WW II	Gilson Midget (2nd A scale marked in fractions.) \$2.50 in 1949.
1464 Post Ritow Manifold	Mannheim	5	Celluloid Boxwood	S1, S2, D1, D2, D3 [C1, C2, C3, ?] D, R1, R2		1925 - 31	Ritow (US) design, Faber (German) manufascture. Scales uncertain. Rimless indicator. \$10.20 in 1927.
1464 Winslow Strength Computing Slide Rule	?		Non- metallic			1936 -WW II	
1464 Post Binary Circular (No brand on rule, Post on instructions.)	Circular	8.31	Metal	C, CI, A, K, L, LL1, LL2, LL3, LL4	Θ, S, T (3 times)	1949	Gilson Binary. \$7.25 in 1949.
1465 Post Ritow Manifold	Mannheim	10	Celluloid Boxwood	10 in // S (two scales), A (three scales) [T, I, C] D, R (two scales)	[B (three scales), L]	1925 - 31	Ritow (US) design, Faber (German) manufascture. R consists of two square root scales; A and B each have three cube root scales. \$11.40 in 1927.
1466 Post Ritow Manifold	Mannheim	20	Celluloid Boxwood	S1, S2, D1, D2, D3 [C1, C2, C3, ?] D, R1, R2	?	1925 - 31	Ritow (US) design, Faber (German) manufascture. Scales uncertain. Rimless indicator. \$25.20 in 1927.
1468 Post Ritow Manifold Duplex	Mannheim	10	Celluloid Boxwood	S1, S2, D1, D2, D3 [C1, C2, C3, ?] D, R1, R2	Fraction-adding scales.	1925 - 27	Ritow (US) design, Faber (German) manufascture. Scales uncertain. Rimless indicator.
1470 Post Ritow Manifold Simplex	Mannheim	10	Celluloid Boxwood	S1, S2, D1, D2, D3 [C1, C2, C3, ?] D, R1, R2	Fraction-adding scales.	1925 - 27	Ritow (US) design, Faber (German) manufascture. Scales uncertain. Rimless indicator.
1471 Post Ritow Merchants' Log Log	?	10	?	'Eightfold log log'		1925 - 27	Ritow (US) design, Faber (German) manufascture. Rimless indicator.
1472 Post Ritow Merchants' Log Log	?	20	?	'Eightfold log log'		1925 - 27	Ritow (US) design, Faber (German) manufascture. Rimless indicator.
1473 Post Ritow Merchants' Log Log Simplex	Ritow	10	?	'Eightfold log log'		1925 - 27	Ritow (US) design, Faber (German) manufascture. 'Simplex construction, simplex indicator.'
1474 Post Ritow Merchants' Log Log Simplex	Ritow	20	?	'Eightfold log log'		1925 - 27	Ritow (US) design, Faber (German) manufascture. 'Simplex construction, simplex indicator.'
1475 Post Ritow Cylindrical	Cylindrical	3 dia X 12		'500-inch helical scale'	NA	1925 - 1930	Ritow (US) design, Faber (German) manufascture. Similar to Fuller
1490 Post Frequency Response / Control Engineering	Mannheim	10	Celluloid Bamboo	10 in // τ, ω [CI, f, P, C] D, A, db	[Θ, Θd, g', g] 27 cm	1957	Hemmi 301. Four cursors!
1491 Post Chem-Rule	Duplex	10	Celluloid Bamboo	L, A, DF [CF, CIF, CI, C] D, LL3, LL2, LL1	Ch. A-M, N-Z, M1 [M2, °F, °C, °K, F(t)] Kg/cm2, mm Hg, In. Hg Vac., tw	1963	Hemmi 257.
1492 Boucher Calculator				'Stem-winding watch'		1925	Enameled cardboard dial.
1492A Boucher Calculator				'Stem-winding watch'		1925	Silvered dial.
1493 Halden Calculex		2.375 dia X 0.25		L, A, B, C, D	Six scales	1925	'Sole leather case.'

Post Table, Page 6

	Type	Length	Material	Front	Back	Dates	Comment
1410 Teledyne Post	Simplex	10	Plastic	T, K, A [B, CI, C] D, L, S, ST	Blank	1970 - 72	Marked <i>Teledyne Post 1410</i> and <i>Sun Hemmi P281</i> (later 44BB-100).
1414 Teledyne Post	Simplex	10	Plastic	T, K, A, [B, CI, C] D, L, S, ST	[LL1, LL2, LL3]	1970 - 72	Marked <i>Teledyne Post 1414</i> and <i>Sun Hemmi P280</i> (later 44BB-140).
1420 Teledyne Post	Duplex	10	Plastic	LL01, LL02, LL03, DF [CF, CIF, CI, C] D, LL3, LL2, LL1	T, ST, K, A [B, BI, CI, C,] D, L, P, S	1970 - 72	Marked <i>Teledyne Post 1420</i> and <i>Sun Hemmi P261</i> [Later 44CB-200].
1422 Teledyne Post	Duplex	10	Plastic	LL01, LL02, LL03, DF [CF, CIF, CI, C] D, LL3, LL2, LL1	K, A, R1, R2 [T2, T1, ST, S, C] D, L, LL00, LL0	1970 - 72	Marked <i>Teledyne Post 1422</i> and <i>Sun Hemmi P262</i> [Later 44CB-220].
44BA-470 Teledyne Post	Mannheim	10	Celluloid Bamboo	0 A [B, CI, C] D, K	[S, L, T] 0	1972+	Successor to 1447 but wider body and plastic back. 44BA-47M w 163-p programmed instr.
44BA-52J Teledyne Post				Probably same scales as 44DA-440		1972+	Shares instructions with 44DA-440. Hemmi.
44BA-520 Teledyne Post				Probably same scales as 44DA-440		1972+	Shares instructions with 44DA-440. Hemmi.
44BB-100	Simplex	10	Plastic	T, K, A [B, CI, C] D, L, S, ST	Blank	1970 - 72	Former 1410. Hemmi P281.
44BB-140 Teledyne Post	Simplex	10	Plastic	T, K, A [B, CI, C] D, L, S, ST	[LL1, LL2, LL3]	1972+	<i>Hemmi P280</i> on rule, <i>Teledyne-Post</i> 44BB-140 sticker on case. Same as <i>Teledyne 1414</i> .
44CA-500 Teledyne Post <i>Versatrig</i>	Duplex	10	Celluloid Bamboo	K, DF [CF, CIF, CI, C] D, R1, R2	L, A [T T, Sec T ST, Cos, S, C] D, DI	1972+	Same as Post 1450 <i>Versatrig</i> . Hemmi.
44CA-600 Teledyne Post <i>Versalog</i> (Usually known as 'Versalog II.')	Duplex	10	Celluloid Bamboo	LL/0, K, A, DF [CF, CIF, CI, C] D, R1, R2, LL0	L, LL/1, LL/2, LL/3 [TT, Sec T SRT, Cos S, C] D, LL3, LL2, LL1	1972+	44CA-60J deluxe case; 44CA-60H molded case. Hemmi 258.
44CB-200 Teledyne Post	Duplex	10	Plastic	LL01, LL02, LL03, DF [CF, CIF, CI, C] D, LL3, LL2, LL1	T, ST, K, A [B, BI, CI, C,] D, L, P, S	1972+	<i>Teledyne Post 1420</i> . '44CB-200' may have appeared on boxes only. Hemmi P261.
44CB-220 Teledyne Post	Duplex	10	Plastic	LL01, LL02, LL03, DF [CF, CIF, CI, C] D, LL3, LL2, LL1	K, A, R1, R2 [T2, T1, ST, S, C] D, L, LL00, LL0	1972+	<i>Teledyne Post 1422</i> . Also marked <i>Hemmi P262</i> .
44CB-260 Teledyne Post	Duplex	10	Plastic	ST, K, A [B, BI, CI, C] D, P, S, T	LL1, LL2, LL3, CR, DF [T, CF, CIF, CI, C] D, L	1972+	Also marked <i>Hemmi P452</i> . Scales uncertain.
44DA-410 Teledyne Post Magnifying Cursor	Mannheim	4	Celluloid Bamboo	4 in // A [B, C] D	[S, L, T] 10 cm	1972+	Same as Post 1441. Hemmi 32.
44DA-440 Teledyne Post	Mannheim	5	Celluloid Bamboo	5 in // A [B, CI, C] D, K	[S, L, T] 0	1972+	Same as Post 1444K. Hemmi 34RK.
44DA-610 Teledyne Post Pocket <i>Versalog II</i>	Duplex	5	Celluloid Bamboo	LL/0, K, A, DF [CF, CIF, CI, C] D, R1, R2, LL0	L, LL/1, LL/2, LL/3, [TT, Sec T SRT, Cos S, C] D, LL3, LL2, LL1	1972+	<i>Teledyne Post 5-inch Versalog II</i> <i>Slide Rule</i> on box. 44DA-61L w manual; 44DA-61O wo manual. Hemmi.
44GC-50L	ual for 44CA-500, Versatrig						

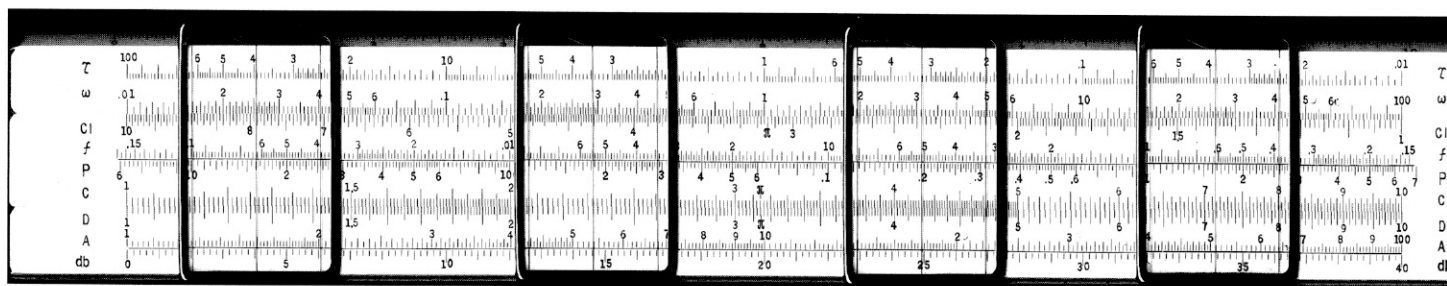


Figure 6. Post 1490 Frequency Response Rule.

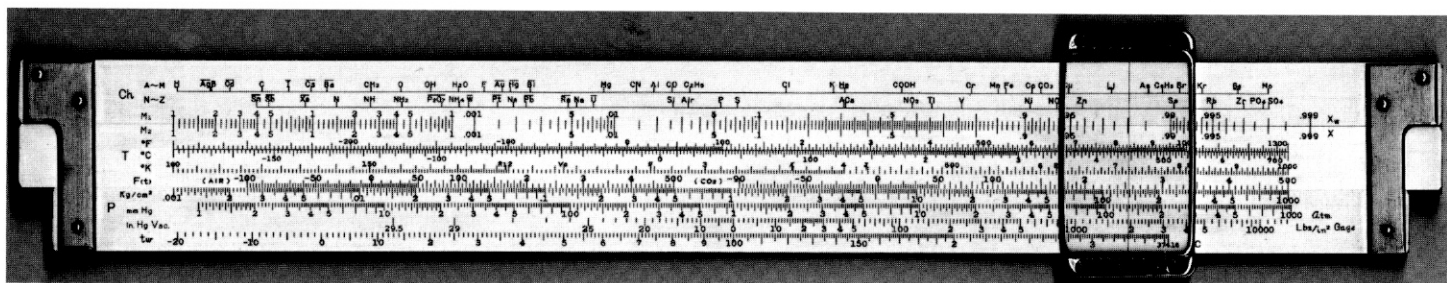


Figure 7. Back of the Post 1491 Chemical Rule.