



October/November, 2016

From Your Newsletter Editor - Ed Chamberlain



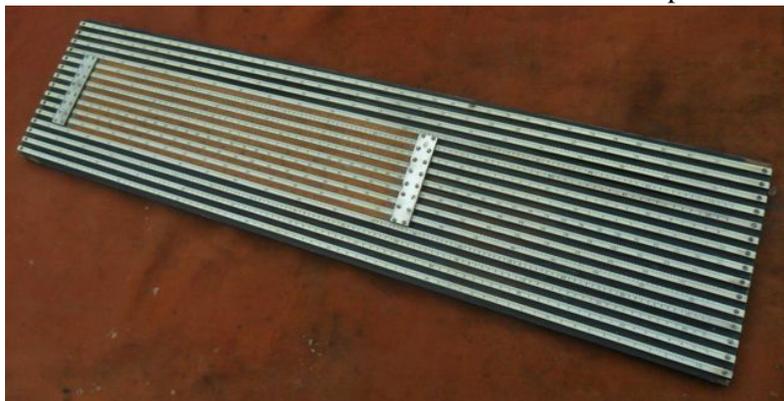
Greetings from New Hampshire It is approaching winter here in rural New Hampshire; with freezing temperatures most every night, snow covered fields, trees & house roofs, and sometimes slippery roads in the morning. The days are getting shorter and the sun lower on the horizon. The output of my solar panels has fallen from over 800 kWh for the month of July to below 300 kWh in November, the result of the shorter daylight and the sun being at a lower angle in the sky. Soon we will wake up and go to bed in the dark, and sometimes wake in the morning to the rumble of the snowplow truck clearing the road. My bike and kayaks are safely stored in the barn, the lambs have gone to slaughter and the bounty of the garden has been put up for the freezer. The lambskins have been salted, and are nearly ready to send off to the tanner.



Headlamps are the rigor for walking the dog after the evening meal and in the morning for his first romp of the day. Snow tires have been mounted on my car and truck, and the Jøtul stove is burning wood 24 hours a day. And the tractor is poised in the shed with its plow pointed outward, ready to remove the first heavy snowfall from my driveway.

So now there is much more time for slide rules, for me not so much about collecting them, but more for writing about them.

Major General Hannyngton Gridiron Slide Rule Readers of the OS Newsletter may remember my interest in long scale slide rules, and perhaps my infatuation with my *'Holy Grail'* of long scale slide rules – the *'Major General Hannyngton gridiron slide rule'* made by Aston & Mander in the late 1800s in London. I long sought one of these precious slide rules for my collection, and only found an affordable example after many years of searching. Then recently, while researching the eBay web site for sales of slide rules, I came across a very special Hannyngton that sold in September on the UK eBay web site – this one with white scale rods on the gridiron base. I show it below. The seller reported that these rods were made of *'bone or other.'* This example of the Hannyngton is the first that I have seen with the combination of *'white bone or other (ivory?) base scale rods'* and *'brown boxwood slide scale rods.'* It sold for about \$618, a relatively bargain price.



Oh, if I had only waited a few more years and also had been more diligent with my eBay searching! But then maybe I would have still been disappointed if I prevailed in the auction, and then, upon inspection, the US customs agents got wind of the possibility that the scale rods might

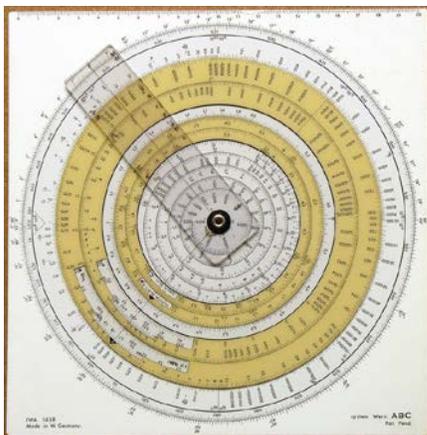
be made of ivory, and as a result confiscated it under the new, very strict US regulations regarding the trade of ivory.

Peter Hopp responded to my question to him about the uniqueness of this Hannyngton by saying: *“that is indeed an incredible Hannyngton. I too have never seen one with “bone” scales, all the ones I have seen are purely boxwood, so this would have been an unusual device.”* Bob De Cesaris also has never seen a Hannyngton with white scale surfaces, and suggested that they may be Celluloid laminate on a wood substrate. I suggest that interested parties go to the original eBay posting number 381765953771 to view photos of this Hannyngton. I welcome comments for the next issue of the OS Newsletter.

US Ivory Trade Law Readers should take note that a possibility of ivory being a part of a slide rule (or any other collectable) jeopardizes their legal sale in the US. The Oughtred Society was turned down by a major auction house in the US when we inquired about them selling part of Tom Wyman’s collection. They rejected the sale because some of the items had (or might have) ivory parts. The burden of proof that the ivory is legal under the law in the US is so high that this auction house does not accept any item with ‘possible’ ivory parts, including pianos and accordions. US law currently prohibits the international and interstate sale of these items unless the item is 100 years old or older. Even then the burden of proof is on the owner as there must be documentation stating the item’s age. Your editor has one slide rule, a proof rule dating to the 1800s, which is clearly made of elephant ivory. It can be sold in all states except New York, New Jersey, California, and Hawaii, but it cannot be legally advertised or transported across all state and international borders. An American could purchase an ivory slide rule at an ‘*International*’ Meeting’ in Europe or a ‘*National*’ meeting in the US, but under Federal law it would be illegal to transport the item home. The issue becomes more complicated if one is sensitive to the current problem of elephants and other animals being killed for their ivory.

EBay Search Quirks I missed seeing this sale of the Hannyngton during its posting because it did not show up on a ‘worldwide’ eBay search that I made. I was aware that I had to go to the French eBay web site to see ‘*règle à calcul*’ sales and to German eBay to see results for ‘*rechenschieber*’ sales (only for cases when the sellers will not ship to the US), but I was unaware that I had to go to UK eBay for some of their slide rule sales. Maybe Rod Lovett, the ‘*father of eBay searching for slide rules,*’ can weigh in on the quirks of eBay searching for the benefit of all of the readers of this newsletter.

US Spring 2017 Meeting Those interested in a slide rule meeting, should take note that there will be a US meeting of the Oughtred Society in Las Vegas next spring. See Bob De Cesaris’ preliminary announcement below.



System Wern Slide Rules For Sale. In an earlier Newsletter, I offered several System Wern circular slide rules for sale. Carl Wern, the inventor of this slide rule donated several of the disks to the Oughtred Society in unused condition with instructions and slipcase. They feature a unique set of scales that allow the determination of the decimal point. I sold all but two of these in response to that offer. Then at IM2016 in Trento, Italy I offered the last two of the Wern disks, got 2 persons interested in making a purchase, but misplaced my notes about who made the offers. If you are one of the two persons, please send me your name and contact information so we can close the sale. The cost in the US is \$60 including postage, in Europe \$70. If any other collector is interested, send me your name and

email address, and I will put you on a wait list.

IM2016 in Trento Update. In the wake of IM2016 in Trento this past September, there is still lot of information about the meeting available on-line, including the proceedings, videos and photos.

IM2016 website: <http://im2016.eu/wiki.htm#Welcome>
Proceedings: <http://www.nicolamarras.it/im16>

That is all from your editor this year. Peace on earth & best wishes for the New Year.

Ed

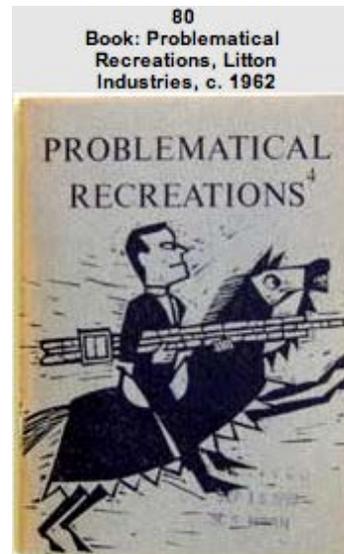
Reported by Ed Chamberlain
edchamberlain99@gmail.com

From the President of the Oughtred Society – Bob De Cesaris

Message From The President of the Oughtred Society We are happy to report that after several weeks of illness, Bob Otnes is out of the hospital, on the mend, and back at his home at Palo Alto Commons. Though he is still not available by phone or email at this time, Bob does appreciate receiving notes and cards from his friends in the Society and these can be sent through Louise Burton, 2632 Ponce Avenue, Belmont, CA 94002. Several members have emailed or called me directly to send ‘Get Well Wishes’ and kind regards to Bob, and I welcome those as well and will convey them to Louise and Bob.



We have successfully consolidated all of the Oughtred Society literature and Tom & Bob’s collections into one storage unit, thus reducing the cost of indoor storage until we are able to sell the items. Thanks to Clark McCoy, our storage area now is the site of some very creative solutions using movable dollies in the aisle ways to allow moving stacks of boxes easily and access to the entire shelving area in a matter of minutes. Clark has worked tirelessly to find way of housing the most important items very safely, and now, for consolidating two storage units of material into one with full and easy access! Also do check out our Archive of Collections at: <http://osgalleries.org/collectors/> to view many new calculating devices and books about them added from the Wyman collection within the past two months. The book shown at right is from the Wyman collection. Plans are underway to begin adding items from the Bob Otnes collection to the Archive before the ebay sales begin in the first half of next year.



Oughtred Society Annual Meeting Announcement: Mark your calendars for April 28-29!
The Oughtred Society’s Annual Meeting for 2017 has been set for Las Vegas, NV, at the Atomic Test Museum: <http://www.atomictestingmuseum.org> for April 29 2017. Similar to last year, this will be our only meeting planned for the year. There are no plans for an OS meeting to be held in the Bay Area in 2017. The Museum is located just 1.3 miles east of the Las Vegas strip on the campus of University of Nevada, Las Vegas. A block of rooms has been reserved at the Four Points by Sheraton Las Vegas East Flamingo at a special flat rate of \$99 per night. The Annual Meeting announcement will be sent by email to the membership within the next week with full details. As always, the meeting will feature displays of slide rule collections, an auction, buying, selling and swapping, presentations, discussions, and the opportunity to meet and talk with fellow slide rule enthusiasts, many of whom are experts in their areas of interest. Some very nice items remaining from the Thomas Wyman collection will be offered at the auction as well as

rules from other collections. Mark your calendars now for this interesting Annual Meeting and keep an eye out for the formal announcement via email coming soon!

Survey to Poll Membership on Future Annual Meeting Locations At our last Board meeting, we discussed different cities in which to host future Annual Meetings. Las Vegas is always a popular destination and has attracted members from throughout the US and from Europe. However, there was much discussion about other areas. Palo Alto, our traditional meeting place in past years was also seriously discussed for 2018, as were: Sacramento, Fremont and Livermore, CA, and Albuquerque, NM. Each had its advantages and disadvantages.

We would appreciate membership feedback on which sites would be acceptable to you for your attendance. We will use this information to determine future sites so please do take the time to respond, and to respond carefully and sincerely as to your willingness to travel to the site noted for a meeting in 2018. Please indicate with a yes or no for each of the suggested sites.

Site	Advantages/Disadvantages
Las Vegas, NV	Popular destination; many things to see and do on the Strip; Hoover dam & bridge, Grand Canyon; hotel prices moderate.
Palo Alto, CA	CHM/Bay Area--Many members within driving distance; Computer History Museum; Google & Tech Companies; Golden Gate Bridge; hotel prices high.
Fremont, CA	Many members within driving distance; need car to reach special places and airport; local hotel prices more moderate.
Livermore, CA	Many members within driving distance; need car to reach special places and airport; local hotel prices more moderate.
Sacramento, CA	Railroad Museum in Old Town Sacramento; Intel Folsom site nearby; Local hotel prices very moderate; 2-1/2 hour drive from Bay Area.
Albuquerque, NM	Local Hotel; Old Town Albuquerque; pueblo architecture; sunny & dry; high elevation; many Nat'l Parks & Forests in driving distance; local hotel prices very moderate.

Also, state other preferred locations and attractions and reasons to hold meeting there.

Thank you, and Happy Holidays to All! *Bob*

Reported by Bob De Cesaris
robert.g.de.cesaris@intel.com

Look it up! Two New Searchable Archives



For many of us **Rod Lovett's** search engines are unmissable tools. Rod's modesty meant his newest two options were launched without any fanfare. Based on the tireless work of **Ed Chamberlain** and **Bill Robinson**, Rod has built searchable archives for *Long Scale* and *Hyperbolic* slide rules. Links to both can be found on Rod's web site at:

<http://sliderules.lovett.com> home page or go to:

<http://osgalleries.org/longscale/index.html> for the Long Scale Archive

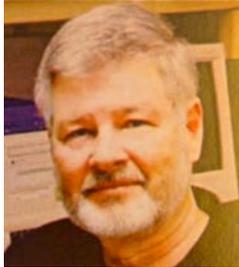
<http://osgalleries.org/hyperbolic/index.html> for the Hyperbolic Archive

Editor's note: I have been at work on my long scale archive for many years. Every month or so I find another to add to the list, or one to make corrections or additions to. At this time, I am still

adding photos, and matching references. Thanks to David Rance and Rod Lovett for taking the 'bull by the horns' and doing the hard work of launching these archives. Please contact me at [<edchamberlain99@gmail.com>](mailto:edchamberlain99@gmail.com) if you have a long scale slide rule to add to the archive, or have a correction to make.

Reported by David Rance

The Fall 2016 & Spring 2017 OS Journals



David Sweetman reported that he has a full compliment of articles for *Spring 2017 issue of the OS Journal*, and that the *Fall, 2017 issue of the OS Journal* is also in good shape. Below are the lists of technical papers in these issues of the Journal. . . . **Editor's note:** The Oughtred Society Board recently discussed increasing the content and size of the OS Journal. Our editor, David Sweetman, noted that there are times when he scrambles to have enough articles for the Journal and other times when he has an over-abundance, and that it generally evens out over time. Thus he does not think that increasing the number of pages is a good idea. Furthermore, our agreement with the printer requires that there be certain blocks of pages, so

we cannot just add a few pages, but must add a full block. And very importantly, increasing the number of pages would increase the costs of publication, and that would cause an increase in the Oughtred Society membership dues. Thus, the Board agreed that the number of pages in the Journal would remain at 64.

Technical Papers in the Spring 2017 Issue of JOS

History of Slide Rules	David Siminovitch
History of Quality Control	David Sweetman
Puzzle 1	Terry Kirkpatrick
Quality Control Slide Rule	David Sweetman
Jan Józef Baranowski -- Life and Machines	Valery Shilov & Sergey Silantiev
The S.Q.C. LATOR	David Sweetman
Calibration of a conventional slide rule	Marion Moon
Wrong Way Round!	David Rance
The QC Calc	David Sweetman
The Chinese SPC Slide Rule	Simon van der Salm
The Pickett N525	Simon van der Salm
The Limpert Board	Simon van der Salm

Technical Papers planned for the Fall 2017 Issue of JOS

SRE	Peter Alfeld
Unusual Cursors	Phil Stanley
Determining Slide Rule Algebraic Operations	Tom Hazard
Biographical Elements on Lenoir & Tavernier	Marc Thomas
How to Photograph Slide Rules	Roger Dollarhide
IGN Logarithmic Circle	Jose Fernandez
Norma Gambrinus Circular Slide Rule	Richard Davis
Notes on scanners	David Walker
A Poor Man's Collection, Part 2	Roger Dollarhide

Authors are encouraged to contact David Sweetman at: [*d-sweetman@att.net*](mailto:d-sweetman@att.net) with proposals for additional papers.

Reported by David Sweetman

Report from Membership Secretary: Clark McCoy



Three new members joined the Oughtred Society during October and November. They are:

Hansel, Richard	Shoreline, WA
Magsig, Judy	Gaylord, MI
Crawford, James	Colton, CA

Welcome to The Oughtred Society. Congratulations to our new members. We hope that you enjoy the rewards of your OS membership, and encourage you to join in Oughtred Society activities.

Clark McCoy

REMINDER: To all members, remember to renew your membership early in the New Year. It is just one month away. That will insure that you get the Spring issue of the Journal of the Oughtred Society at the time it is first issued. To renew your membership, just go to the Oughtred Society homepage at:

<http://www.oughtred.org>

and click on **Membership** and follow instructions. You can pay online by credit card or PayPal, or you can pay by check the old fashioned way.

Reported by Clark McCoy

News from The German Deutschsprachigen Rechenschieber-Sammler

Peter Holland reported that on October 22 the 30th German language RST meeting was held in



Wiesbaden, Germany. Wiesbaden (Meadow Baths) is known for its historic architecture, hot springs and spas, a large US military base, and, of course, it's Analogue Computer Museum. Seventeen collectors from Switzerland, Luxembourg, The Netherlands, and Germany, together with 8 accompanying partners, met

for a very interesting meeting and social activities. Karl Kleine organized and chaired the meeting. Ten technical lectures were presented and very much appreciated by the audience. For example, Jacques Perregaux, from Switzerland, talked about European slide rules with rim scales on the outer circumference surface like on the American Small Calculator, and Thomas Müller, from Germany, explained the very rare Dennert & Pape KRS 40 circular slide rule.

Also, as Günter Kugel – this year's OS Award winner - was also attending our meeting, the OS Award certificate and a gold-colored pin in a special presentation box were presented to him by Karl Kleine on behalf of the Oughtred Society.



Social activities included prearranged meals in the meeting hotel and a guided tour through Wiesbaden and its attractions. Our next meeting will be in Bielefeld, Germany in spring of 2017. Details will be announced later.

Karl Kleine also reported that the next International Meeting IM2017 of historic calculating instruments will be held at the Arithmeum museum of computing instruments in Bonn, Germany on September 22-23, 2017. The theme is: *Calculating in Everyday Life*.



In many cases in our daily life we perform computing tasks without thinking about them. We just do them. That also holds for the devices we use for these activities, we simply use them. So for this IM we do not ask for reports on yet another intricate special instrument for some technical or scientific application and its calculation, but for interesting *bread-and-butter stuff*. Of course in addition to the special theme, we are open for all kinds of submissions for IM2017, as in all the previous years.

The meeting will start on Friday, September 22nd, at 14:00, with a first paper session at the conference hotel. After a break, a traditional session will allow you to swap, sell/buy, demonstrate or just inspect slide rules, other instruments, literature and associated materials. On Saturday 23rd, we will continue the paper sessions at the *Arithmeum* nearby. You will be able to view the Arithmeum collections on Friday morning and Sunday as well as during breaks on Saturday. We will also try to arrange guided tours for specific topics.

For additional information visit the RST web site at: <http://www.im2017.org/>

Respond to the *Call for Papers* to: im@im2017.org

For any questions, contact *Karl Kleine* at: kleine@im2017.org or karl.kleine@eah-jena.de

To learn more about the Arithmeum, go to: <http://www.arithmeum.uni-bonn.de>

Editor's note: The Schuitema collection at the Arithmeum museum is one of the largest collections of slide rules in the world. It was donated to the museum by the Dutch collector: IJzebrand Schuitema. I hope that the museum will make a special effort to display some of Ijzebrand's collection for the benefit of the IM2017 participants.

To learn more about the Schuitema collection, go to:

http://www.sliderules.nl/media/papers/JOS_2014_Schuitema_Collection.pdf

Reported by Karl Kleine & Peter Holland & Ed Chamberlain

News from the UKSRC Slide Rule Circle



A reminder that the 2016 Slide Rule Gazette has been published and is available for purchase. This is the Colin Barnes Memorial Issue; a bumper-sized 120 page plus journal with 20 technical articles on slide rules and historical calculating devices. The postal delivered price is £17 for the UK, £19 for Europe and £22 for the US and the rest of the world.

Of course, all collectors of slide rules and other old calculating devices are invited to join the UKSRC. Just go to the web site at <http://uksrc.org.uk/> and navigate to the Skidstick and Slide Rule Gazette tabs for additional information. Membership includes the Skidstick that is issued several times per year. It now is delivered digitally via email. Membership costs £18 per year, and the annual Gazette costs an

additional £22 a year for International subscribers. The Brits and Europeans pay a bit less. Payments can be made via PayPal.

Readers should take note that over 700 pieces in Colin Barnes collection are being sold by the UKSRC. A list of slide rules available and purchase instructions can be seen at:

<http://uksrc.org.uk/asandwhen.html>

Reported by Rod Lovett & Peter Hopp

eBay Slide Rule Sales

These past two months have seen a bump-up in slide rule sales and prices on eBay, from **\$2,184** for 6 slide rules valued for \$200 or more in Aug/Sep to **\$8,195** for 13 slide rules valued for \$200 or more in Oct/Nov. For this bi-monthly period I also surveyed all slide rules selling for \$100 or more to include more of the special, but not so scarce, slide rules that many collectors seek. Below are the results for the US, European and Asian slide rules. I feature those in red type at the end of this section of the Newsletter.

Made in the USA Slide Rules: 25 sold for a total of \$6,065

K & E 4013 Thacher cylindrical slide rule w/ magnifier.	\$1,750
K & E Thacher #4012 cylindrical slide rule, s/n 4711.	\$700
Charles Lane Poor "Line of Position Computer" (circular navigation slide rule).	\$503
Pickett Executive X-3 Synchrolog slide rule.	\$465
K & E #4078 duplex slide rule with brass chisel cursor, Cox 1891 patent,	c\$170
Pickett B1 slide rule.	\$160
Keuffel & Esser model 4080-5 slide rule.	\$159
Pickett 109ES circular Trig Model w/ Case & Instructions.	two sold: \$135 & \$159
Nicolet slide rule mechanical pencil, A.O. Smith Corp., Dayton Ohio.	\$145
K & E N4053-5 20-inch slide rule.	c\$130
Pickett Circular Trig slide rule model 109-ES w/case & manual.	\$135
Pickett 101-C Dial Rule circular slide rule w/case & manual.	\$125
Pickett N-525-ES Stat slide rule with case.	\$121
Pickett N16-ES Electronic slide rule w/ leather case.	\$119
Cox & Stevens Aircraft Military Load Adjuster B-52 G slide rule #C-715 with case.	\$119
K & K & E N4053-5 20" slide rule, with clip-on magnifier and leather case.	\$112
K & E DECI-LON slide rule.	\$115
K & E N4053-5 20" slide rule w/clip-on magnifier and case.	\$112
Pickett N909-ES Metric Conversion Simplex Trig slide rule.	two sold for \$111 & \$112
Pickett Model N600-E8 Speed slide rule with leather case, MIB.	\$104
Pickett N 800-T slide-rule w/-leather-case.	\$102
Pickett N803T slide rule w/ box, case & paperwork.	\$102
K & E Cooke Radio electronics slide rule.	\$100

Made in Europe Slide Rules: 31 sold for a total of \$8,229

Aristo-Studio 01068 50 cm long slide rule.	\$1,825
Faber Castell 2/84N Mathema slide rule, MIB with English manual.	\$988
Dring & Fage Gauger's 4-sided boxwood slide rule, 12-in	\$419
Loga 15m Cylindrical slide rule from about 1911.	\$386
Everard Type Gauger's boxwood slide rule, no maker, pre-1824.	\$372
Appoulot Logz T3, 'regles a calcul,' circular w/spiral scales.	2 sold for \$201 & \$340
Schacht & Westerich System Cuntz slide rule.	\$232
Fuller-Bakewell cylindrical slide rule.	\$230
Faber Castell 2/83 N Novo Duplex slide rule.	three sold for \$120, \$145 & 225
Fuller cylindrical slide rule by Stanley, s/n 625, no box.	\$192

Faber Castell Nr. 8/10 circular slide rule.	3 sold for \$162, \$190 & \$192
24" Boxwood English Gunter's Rule, no maker names.	2 examples sold for \$150 each
Fowler Magnum Circular slide rule in leather case.	c\$150
Nestler Multimath duplex #0130 pocket slide rule.	\$150
Nestler Multimath model #0130 pocket slide rule w/case.	\$150
Faber Castel 2/82N slide rule.	two sold for \$133 & \$140
Dolland (London) lumber, boxwood & brass, 2 sided 20" slide rule.	\$134
Aristo Naviat 661 navigation slide rule.	\$146
Fowler MaCKay Paper Board Calculator / slide rule.	c\$120
Halden Calculex circular slide rule with leather case and manual.	\$115 & \$120
Faber Castell 4/87 50 cm slide rule in box.	c\$120
IWA - Tronic 0272 slide rule & manual.	\$128
Fowler's Magnum Long Scale Calculator.	\$108

Made in Asia Slide Rules: 3 sold for \$509

Hemmi 10" Advanced Slide Rule No.257 for Chemical Engineering,	\$210
Hemmi No. 260 Advanced Mechanical Engineer's slide rule,	c\$195
Hemmi No.154, duplex slide rule, w/2 cursors.	\$104

A Special eBay Sale: Charles Lane Poor 'Line of Position Computer'



One of the slide rules sold on eBay during the October/November reporting period was a very rare one. It was the Charles Lane Poor "Line of Position Computer," an American circular navigation slide rule that sold for \$503. The description as told by the seller – Peter Frei – is as follows:

This exceedingly rare navigation instrument is called 'Line of Position Computer,' and is essentially a mechanical navigator or circular slide rule for determining one's location, either from morning or afternoon sightings for longitude or from the St. Hilaire method of finding the line of position. It has a circular black lacquered cast

aluminum frame or base, a green felt cushioning ring, an engraved brass disc, and a yellowed and somewhat warped celluloid disc. The brass lacquered and Celluloid arm that extends over the celluloid disc has a brass thumbscrew at the outer edge used to pin the arm to the Celluloid arm. The celluloid disc and arm can therefore rotate together or independently, as needed.

The brass disc is calibrated logarithmically in several concentric rings: from 80 to 0 degrees by minute in both directions (altitudes, adjusted by latitude and declination), from 0 to 500 by 1 (numbers), from 100/10/1 to 600/60/6 (logarithms), from 0 to 12 hours (hour angles), from 0 to 70 degrees by 1 X 2 (declinations), from I to XII by I (hour angles), and from 0 to 180 degrees (altitudes and azimuths).

According to "The McNab Encyclopedia of Marine Appliances", by Alexander McNab, The McNab Company, Bridgeport, Connecticut, USA, three different models were made and two different sizes of the basic model, Model 1 for private yachts, Model 2 for airplanes and smaller units of the Navy, vessels of the mercantile marine, and aircraft; and Model 3 for the capital units of the Navy, and larger vessels of the mercantile marine. Model 1 was manufactured in two different sizes, 12 and 15 inches in diameter; Model 2 measured 13 inches, and Model 3 was 19 inches in diameter."

Despite the extensive references in the literature, Poor's Line of Position Computer was not a commercial success, and only very few examples are known to exist, "The scarcity of surviving

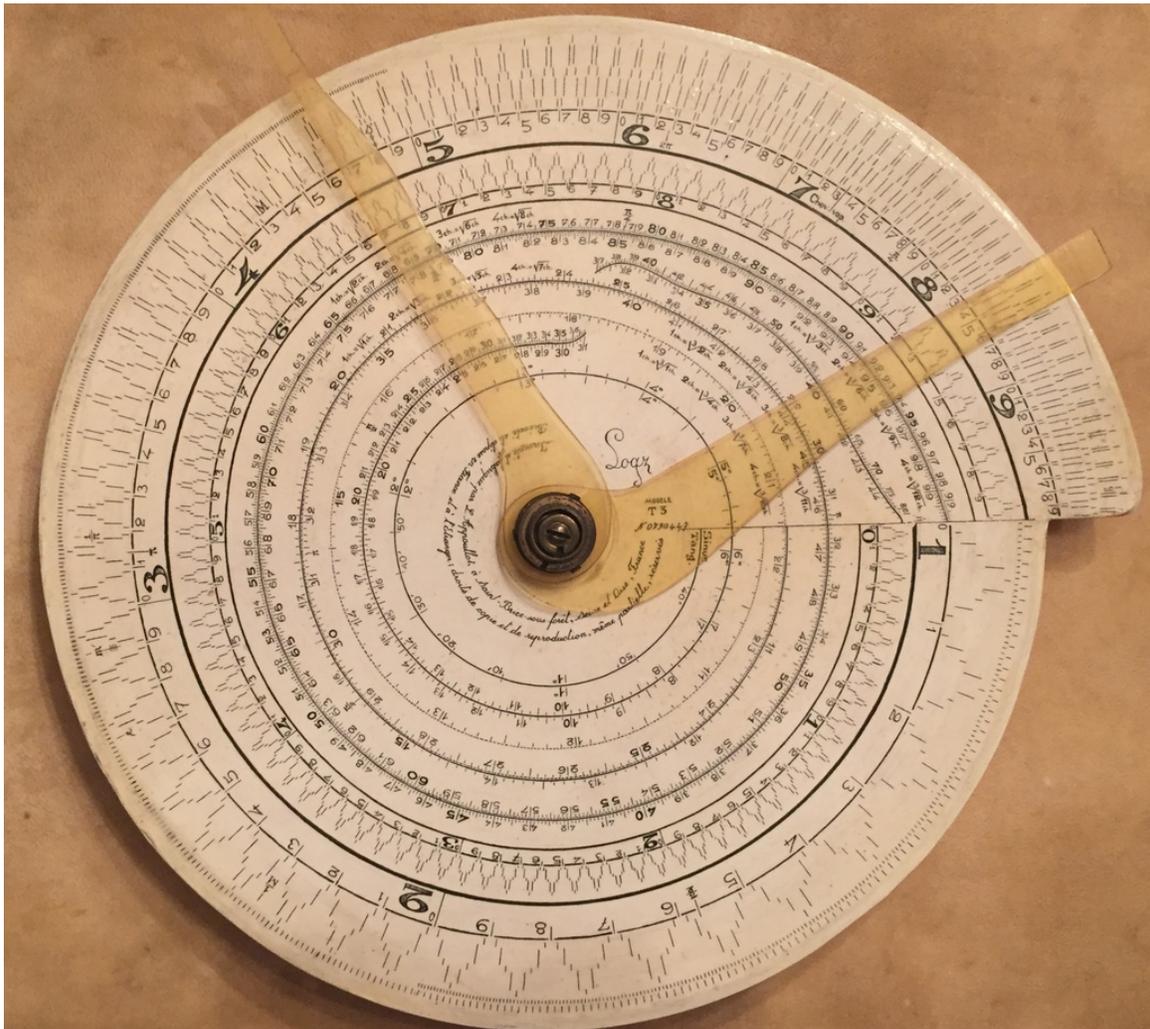
examples suggests the government and general public had little interest in the instrument. Indeed, aviators preferred inspection tables over slide rules for navigation," Copyright 2016, by Peter Frei.

There is another example of the 'Poor' in The Smithsonian National Museum of American History. It can be seen at:

http://americanhistory.si.edu/collections/search/object/nmah_1382002

Another Special eBay Sale: Appoullot Logz T3 'Regles a Calcul'.....

This is another special slide rule sold on eBay these past two months. In fact, two examples sold, one for \$201 and the other for \$340. The Appoullot Logz T3 is a French circular slide rule with unique design – a design executed in an artistic way that only the French could do. Note that the disk itself is in the form of a spiral, and that one of the spiral scale windings actually jumps two other windings to make its way outward to the rim of the disk. The spiral number calculating scale has a length of about 79 cm in 3 windings. A second shorter number calculating scale runs a

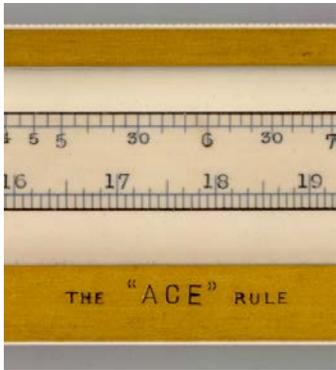


single winding outside the reach of the spiral scale, and near the rim, and a sort of vernier scale helps with interpolation of scale readings. Everything about this disk is done in a special way, including a system of root and power scales, the latter helping with finding the decimal point. The designer, Léon Appoullot, must have had a lot of fun with his design, including shaping one edge of a celluloid cursor like that of the back of a leg. His patent dates to 1923. The Appoullot Logz came in three sizes, the T2 having a number calculating scale length of 60 cm, the T3 79 cm and the T4 1.4 m. The T4 is most rare. The renowned Dutch collector, IJzebrand Schuitema, wrote

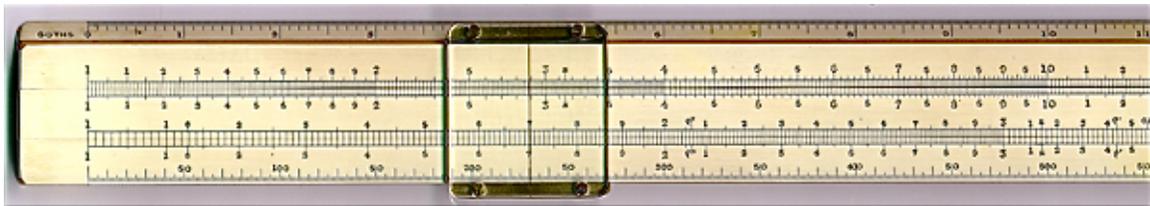
about the Appoulot many years ago in the JOS, vol.4, no.1, March 1995. I have all three sizes in my collection and value them as amongst my most important slide rules.

eBay Sales Reported by Ed Chamberlain

THE “ACE” RULE - 20-inch Long Slide Rule



Jim Bready wrote that he had recently acquired a 20-inch “ACE” slide rule from the Tom Wyman collection, and was wondering whether it was originally in my collection. Yes, it was, but I had forgotten that I had sold it to Tom long ago. I had purchased it over the UK eBay, so I was pretty sure that it was British made. The “ACE” was unique in its construction, having the two wooden stators separated by a rigid strip of transparent Plexiglas. The result was that one could see the scales on the backside of the slide over its entire width and length. Both Jim and I agree that this is a most unusual construction for a slide rule. I remember that I took it one time with me for ‘show and tell’ at an IM meeting in the UK, and no one there had seen one like it before. Jim can be considered an expert on British slide rules, as he lived in the UK for many years, so that he had never seen an example of the “ACE” before may make it a true ‘One-Off.’ It is so well constructed that if any other examples were made, they would have most surely survived. The question remains, though, “Is “THE ACE RULE” ‘a one of a kind’ slide rule?” Both Jim and I would be interested if any of



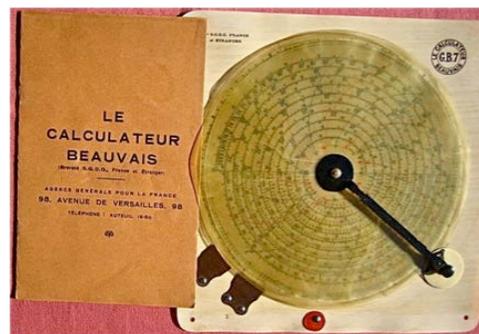
the readers of this newsletter can shed any light on this slide rule. Please write me, your editor, if you have any new information about THE “ACE” RULE.

Reported by Ed Chamberlain
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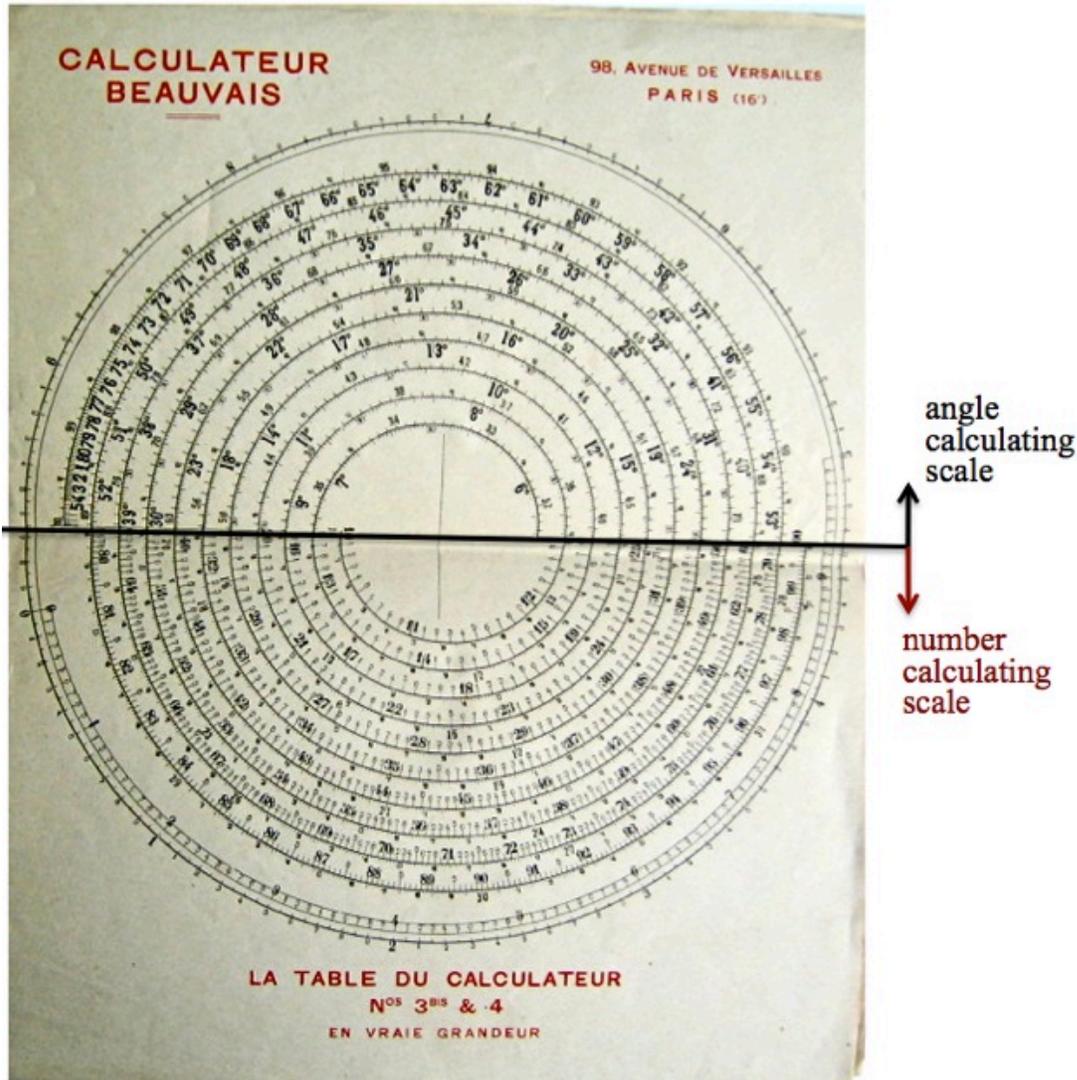
An Interesting eBay Posting: ‘Le Calculateur Beauvais’.....

I received a ‘heads-up’ notice of this device being for sale on eBay by a French slide rule collector: ‘Etienne Pommel.’ Etienne may be known to others from his contributions to the French ‘Photo Calcul’ web site: <http://www.photocalcul.com/>

The French made and patented ‘Le Calculateur Beauvais’ is a very interesting circular slide rule. It is actually two slide rules in one in that it is made up of two semi-circular slide rules, each with spiral scales. I show a picture to the right, but the scales are better seen in the graphics drawing below. The patent says that the lower semi-circular slide rule is used for multiplying and dividing of numbers. The 10 semi-circular scale sections are laid out in Log fashion from 10 to 100. The effective scale length is about 184 cm. In a way, this part of the ‘Beauvais’ is laid out much like the semi-circular scales I showed for the ‘ARC Extended Slide Rule’ in the last issue of the OS Newsletter. However, the Beauvais scales follow the path of a spiral, rather than a set of semi-



circular scales. The instructions say that the upper semi-circular spiral scales are used as ‘angle totalizers.’ The device has a number of fixtures, an ‘alidade’ (an indicator?) and transparent Celluloid cover disks that are used to help make calculations. It even has an ‘endless ribbon’ wound on rollers mounted on the alidade by means of 2 teeth gearing with the teeth of a wheel.’ That is a part of the angle-totalizer mechanism that is graduated to correspond to the semi-circular scale sections. How this all works and what special purpose it serves is uncertain to me. I will leave it to an industrious reader of this newsletter to sort it out. The current eBay number for the Beauvais Calculateur is: 291966465241. The auction closes on Thursday, December 15. For those interested, go to: <http://www.eBay.com> and type: 291966465241 in the ‘Shop by Category’ box.



Reported by Ed Chamberlain

Glimpse from the JOS Rarities Gallery

Given the many special slide rules featured in this OS Newsletter, I have decided to skip a quick look at a slide rule from the JOS Rarities Gallery. I invite the reader to suggest a ‘Rarity’ for the next issue of the Newsletter. Go to the OS website to view the Rarities Gallery at:

<http://osgalleries.org/os/completegallery.cgi>

Reported by Ed Chamberlain

On The Humorous Side

Phil Stanley, in a March 9, 2016 posting on the International Slide Rule Group (ISRG) web site, posted a Dustin cartoon as a slide rule sighting. Phil, a renowned collector, author and dealer of Stanley rules, wrote:

“While going through some old paperwork I came across a newspaper comic strip that I’d printed out last year. It’s the strip ‘DUSTIN’ centered on an unemployed live-at-home young man and his contretemps. It is the strip for July 10, 2015, and shows Dustin and a friend going through a box of old stuff. Dustin says that he can’t believe that the 35 mm SLR he’s holding was once used to take pictures, and his friend says that its got to be the ugliest cell phone he’s ever seen. For all three of the frames of the strip, the friend has a slide rule in his hands, presumably as another example of obsolete technology.”

The sort of clueless expressions on the cartoon character’s faces about old technology reflects on the great advances in technology over the past years. Your editor grew up in the age of iceboxes



Dustin Comics 7/10/2015: Copyright by Steve Kelley & Jeff Parker.

See more at: <http://dustincomics.com/>

and tube radios and TVs, and had only a slide rule (other than an adding machine) for calculations. Now I only get skeptical looks when I say to young people that the slide rule was my only calculating tool right up through the first 10 years of my professional life as an engineer. Then they ask what a slide rule is! I show them one, and they either say that it impossible to make accurate calculations with such a stick, or say that it way too complicated to use!

International Slide Rule Group For those readers not familiar with the ISRG, I note that it is a Yahoo Group website for discussing all things about slide rules. It is a good place to discuss specific slide rules and to ask questions about them. Many OS members are also members of the ISRG group. Postings are daily, and there are frequently exchanges of information. Find the ISRG at:

<https://beta.groups.yahoo.com/neo/groups/sliderule/info>

Reported by Ed Chamberlain

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