Dr. Arnold Keller died in Berlin on December 13, 1972. It is impossible to collect German notgeld without sooner or later seeing or hearing the name of Dr. Keller. Keller, born in 1897, spent most of his life studying and cataloging paper money. A list of his catalogs is equivalent to a list of "firsts" in the field. He labored tirelessly during a long period in which paper money was an obscure and scarcely recognized branch of numismatics. His catalogs were mostly typed up and duplicated with his own hands and issued in limited editions. The value of his life and his legacy to the science of numismatics is beyond measure. As long as paper money collecting survives, he will be remembered.

The publisher of this newsletter was a pioneer in making paper money information available to the American collector. Dr. Keller was always greatly interested in these efforts and cooperated in every possible way. He never failed to answer endless questions and to offer advice and encouragement. It will never be quite the same without him.

As a tribute to Dr. Keller and for its inherent informational value, a bibliography of his works follows:

1. Das Papiergeld der altdeutschen Staaten (Taler- und Guldenscheine) vom 17. Jahrhundert bis zum Jahre 1914, Berlin, 1953, 113 pp.
2. Das Notgeld von 1848-1869 in Osterreich und Ungarn, Berlin, 1954, 67 pp.
3. Das Papiergeld des deutschen Reiches von 1874-1945, 5 Aufl., Berlin, 1956, 118 pp.
4. Das Papiergeld der deutschen Kolonien, 2. Aufl., Berlin, 1962, 83 pp.
5. Das Papiergeld des ersten Weltkrieges: Bd. I. Europa:Bd. II, Übersee, Berlin, 1957, 110 and 100 pp.
6. Das Papiergeld der Gefangenenlager im deutschen Reich sowie in Österreich und Ungarn 1914-1918, 2 Aufl., Berlin, 1954, 101 pp.
7. Das Notgeld von 1914, Bd. I, A-H, Bd. II, J-Z, 2. Aufl., Berlin, 1956, 206 pp.
8. Das Notgeld von Österreich und Ungarn 1914-1916, Berlin, 1962, 49 pp.
9. Le Papier-Monnaie Belge de Nécessité de la Guerre 1914-1918, Antwerpen, 1952 (with W. Ouchkoff)
10. Die Geldscheine der deutschen Ländernotenbanken, der Reichsbahn, der Reichspost und der übrigen Reichs- und Länderbehörden, 2. Aufl., Berlin, 1952, 64 pp.
11. Deutsche Kleingeldscheine 1916-1922, 1. Teil, Verkehrsausgaben, Bd. I, A-G, 150 pp.; Bd. II, H-O, 146 pp.; Bd. III, P-Z, 163 pp. 6. Aufl., Berlin, 1955
12. Deutsche Kleingeldscheine 1916-1922, 2. Teil, Serienscheine, 2. Aufl., Berlin, 1956, 122 pp.
13. Die deutschen Grossgeldscheine von 1918-1921, 3. Aufl., Berlin, 1955, 99 pp.
14. Die Abstempelungen der österreichisch-ungarischen Banknoten 1918 bis 1920, Berlin, 1962, pp.
15. Das Notgeld der Inflation 1922, 2. Aufl., Berlin, 1954, 106 pp.
16. Das Notgeld der Inflation 1923, 8 Bände, Berlin, 1958-1961

I.	A-B	156 pp.	V.	Leng-Nurt	160 pp.
II.	C-Esch	152 pp.	VI.	Ober-Soltau	162 pp.
III.	Essen-Hatt	145 pp.	VII.	Somn-Werdol	127 pp.
IV.	Hauz-Leng	150 pp.	VIII.	Werl-Zwota	80 pp.

17. Das wertbeständige Notgeld (Goldnotgeld), 1923/24, 2. Aufl., Berlin, 1954, 79 pp.
18. Notgeld besonderer Art: Scheine und Münzen ungewohnlicher Art hinsichtlich des Materials, der Ausstattung oder des Inhalts, 3. Aufl., Berlin, 1959, 61 pp.
19. Das Papiergeld des zweiten Weltkrieges und der Nachkriegszeit, Berlin, 1953, 119 pp.
20. Das Notgeld der Währungsreform 1947-48, Berlin, 1957, 34 pp.
21. Deutsche Wertpapierwasserzeichen, Bd. I, Text; Bd. II, Abbildungen, 71 and 16 pp., Berlin, 1955 (with Kurt Lehrke)
22. Die Druckfirmen des Papiergeldes, Dortmund, no date

23. Sprachen und Schriften auf Papiergeld aller Länder, Dortmund, 1955
24. Paper Money of the World, Part I: Modern Issues of Europe, New York, 1956

Dr. Keller also published a magazine for notgeld collectors and wrote articles for a number of numismatic publications. His unpublished works include a monumental Bibliography of Paper Money. For many years he attempted to keep a file of everything published on the subject with a view toward eventual publication as a book. The paper money information explosion of the past few years has no doubt placed such a project outside the realm of possibility.

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The question of the total number of notgeld issued is often raised. Dr. Keller once summarized the German issues as follows:

Paper money of 1914 (Aug.-Oct.)	2,000 varieties	400 places.
Small values, 1-75 pf. 1915-1922	20,000 "	2,000 "
Larger denominations, 1-100 Mk 1918-1919	2,000 "	500 "
Larger denominations 1922 100-1,000 Mk.	3,000 "	500 "
High value inflations 1923 5,000 to 100 "trillion" Mk.	50,000 "	5,000 "

It is assumed, of course, that these are approximations and do not include possible minor variations to infinity.

TOPICAL FEEDBACK

AMERICANA- Ritterhude: Add 50 and 75 pf. to item mentioned on p. 8. Keller also mentions another set dated 1921 with "Tropfen" watermark and letter "A" and a further set overprinted "Ehrengabe". (B. Rauch)

AMERICANA- Weisbaden: Issued set similar to Knivsberg. By a Dr. Freitag. Denominated in francs, cents and mark and purpose of issue stated in French, English and German. U.S. flag shown in lower left corner on back.

0.60 fr. - 12½ - ½ mk.	1 April 1921
1.20 fr. - 25¢ - 1 mk.	1 April 1921
2.40 fr. - 50¢ - 2 mk.	1 April 1921

Issued "....for the promotion of the establishment of a world union of Universities, High School associations of Art, religion and ethic units." (John Mayer)

GLASSBLOWERS- The industry was largely centered in Thuringia, specifically in the southern mountain range called Thüringer Wald (Thuringia Forest). Most glassblowing notgeld come from such towns as Gräfenroda, Grossbreitenbach, Igelshieb, Ilmenau, Lauscha and Stützerbach. Interestingly, almost all of the glassblowers had the surname Greiner. (H. Krause)

PRINTING- Apparently notgeld pertaining to printing with type is very limited. However some related issues are: Blankenstein 50 pf., paper making (301b): Flensburg 10 pf., book making (822) Reinerz 50 pf., paper mill (2856a); Solnhofen, portrait of Senefelder, inventor of lithography (3152). (M.R. Talisman)

Translations of Some Words Found on German Notgeld

Aktien Gesellschaft- stock company (corporation).
Ausgabe- issued.
Aushilfsschein- assistance note.
Bad- bath (Spa), health resort.
Bezahlen (Besahlt)- to pay, paid.
Bezirk- district.
Brotmarke- bread money.
Die, Der, Das- the.
Diese, Dieser, Diessen- this, those.
Einheit- unit.
Ersatzschein- substitute note.
Fabrik- factory.
Gefangenenlager- prison camp.
Gemeinde- community, township.
Gultig bis 6 Monate- good until 6 months (after).
Gultig bis einen monat nach aufruf (aufkündigung)- good until one month after cancelled (renounced, called in).
Gut fur- good for.
Gutschein- note good for.
Handelskammer- chamber of commerce.
Kasse, Kassen- pay office, cash office.
Kassenschein- cash note.
Klein-geld-Ersatz- small money substitute.
Kriegsgeld- war money.
Kriegsnotschein- war emergency note.
Kreis- district ("county").
Magistrat- chief administrative officer.
Notgeld- necessity or emergency money.
Notschein- necessity note.
Pfennig, Pfg., Pf.- "penny," 1/100th of a mark.
Reihe- series.
Schein- note, certificate.
Sparkasse- savings office.
Speismarke- food token.
Stadt- city, town, municipality.
Stadtbank- city bank.
Stadtgemeinde- city community.
Stadtgirokasse- city transfer bank office.
Stadtkassa- city treasury.
Stadtkassenschein- city treasury note.
Verwaltung der Stadt- city administration.
Weschselschein- change note.

Following are often used as prefixes or suffixes, as parts of words:

Bad-	bath	Bach-	stream	Unter-	lower
Berg-	mountain	Hausen-	houses	Nieder-	lower
Burg-	town	Stein-	stone	Gross-	large
Weiler-	town	Wald-	woods	Klein-	small
Furt-	fort	Heim-	home	Alt-	old
Dorf-	town	Brucken-	bridge	Neu-	new
Tal, Thal-	valley	Egg-	corner	Muhle-	mill
Gau, au-	valley	Eck-	corner	Werk-	work
See-	lake	Ober-	upper	Ost-	east

German Letters		Roman Letters	
𝔄	𝔞	A	a
𝔅	𝔟	B	b
ℭ	𝔠	C	c
𝔇	𝔡	D	d
𝔈	𝔢	E	e
𝔉	𝔣	F	f
𝔊	𝔤	G	g
ℌ	𝔥	H	h
ℑ	𝔦	I	i
𝔍	𝔧	J	j
𝔎	𝔨	K	k
𝔏	𝔩	L	l
𝔐	𝔪	M	m
𝔑	𝔫	N	n
𝔒	𝔬	O	o
𝔓	𝔭	P	p
𝔔	𝔮	Q	q
𝔕	𝔯	R	r
𝔖	ſ 𝔰	S	s
	ß		ss
𝔗	𝔱	T	t
𝔘	𝔲	U	u
𝔙	𝔳	V	v
𝔚	𝔴	W	w
𝔛	𝔵	X	x
𝔜	𝔶	Y	y
ℨ	𝔷	Z	z

The modified vowels (Umlaute) are: Ä ä, Ö ö, Ü ü.