

## DIY projects (latest addition first)

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- e – electronic format (gif, jpg, pdf, html)
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- "-" means no further info

### Language:

- B - Bulgarian
- C - Czech (or Slovakian)
- E - English
- F - French
- G - German
- I - Italian
- P - Polish
- R - Russian
- S - Spanish (or Portuguese, Brazilian, Argentinean etc)

Author	Title	Where / By	When	page (s)	Info	Language	status	Updated yy/mm/dd
Thompson Frank	Metal detector: permittivity of permeability?	Wireless World	2003 07	21-24	Two-oscillators type with phase detection	E	E	23/07/01
Flind Andy	IB TR PI Basic design principles Technical Forum Part 1	Metal Detecting	1979 03	4-6	Technical Forum Part 1. General info with schematics and waveforms etc.	E	E	22/01/23
Flind Andy	Technical Forum Part 2	Metal Detecting	1979 04	43-46	General discussion on drift, HF amplifier and IB coils layout.	E	E	22/01/23
Flind Andy	Technical Forum Part 3	Metal Detecting	1979 05	40-43	Processing circuit, power supply, coil construction (omega type).	E	E	22/01/23
Flind Andy	Technical Forum Part 4	Metal Detecting	1979 06	4-7	Output circuit	E	E	22/01/23
Flind Andy	Technical Forum Part 5	Metal Detecting	1979 07	38-41	General discussion with some waveforms and bloc diagrams	E	E	22/01/23
Flind Andy	Technical Forum Part 6	Metal Detecting	1979	18-21	Simple VLF detector (similar to Viking-	E	E	22/01/23

			08		Rimatron)			
Flind Andy	Technical Forum Part 7	Metal Detecting	1979 09	12-15	Output Circuit, Autotune section, VCO output	E	E	22/01/23
Flind Andy	Technical Forum Part 8	Metal Detecting	1979 10	4-6	Various topics	E	E	22/01/23
Flind Andy	Technical Forum Part 9	Metal Detecting	1979 11	30-32	Various topics	E	E	22/01/23
Flind Andy	Technical Forum Part 10	Metal Detecting	1979 12	4-6	Various topics	E	E	22/01/23
Flind Andy	Technical Forum Part 11	Metal Detecting	1980 01	19-24	Various topics	E	E	22/01/23
Flind Andy	Technical Forum Part 12	Metal Detecting	1980 02	30-33	Simple PI project	E	E	22/01/23
Flind Andy	Technical Forum Part 13	Metal Detecting	1980 03	6-8	Various topics	E	E	22/01/23
Flind Andy	Technical Forum Part 14	Metal Detecting	1980 04	22-24	Various topics. Fertler corrections	E	E	22/01/23
Stannard A P	Search coil formers	Metal Detecting	1979 07	52-54	Interesting discussion on building IB coils with some unusual configurations	E	E	22/01/23
King D H	Metal location with a cheap BFO	Metal Detecting	1979 06	47-49	BFO based on CMOS 4011 gates	E	E	22/01/23
Brian Smith	Brian Smith explains how he built his own detector	Metal Detecting	1978 12	19-22	BFO	E	E	22/01/23
Colin G Turner	Beginners Guide to detector construction	Metal Detecting	1978 10	58-60	General info. No diagrams	E	E	22/01/23
Turner Richard	Principles of metal detection	Electronics Today ETI	1989 06	11-16	General info as well as Two projects: PI and IB Highly recommended!	E	E	22/01/14
Foster E. J.	Further developments of the pulsed induction metal detector	Prozpezioni Archeologiche	1968 Vol. 3	95-99	Following the work initiated by C. Colani in 1966' the Research Laboratory for Archaeology, Oxford, has continued the development of the Pulsed Induction Metal Detector.	E	E	16/07/02
	Auf Schatzsuche mit dem Elektronenspion	?? Hobby ??	1962	p.104-?	BFO, "Mit Hilfe dieses Gerätes kann man den	G	-	14/01/19

				7 pages total	Erdboden und altes Gemäuer bis zu 1 Meter Tiefe nach Metallgegenständen, nach Werkzeug, Geschirr, alten Waffen und so weiter durchforschen." Format: 21 x 14,5 cm			
Rayer F. G.	How to build Your Own Metal & Treasure Locators	ETI Book Sales, BABANI B. PRESS	1976 1978 n°32	Pp 90	<p>PART 1, PRINCIPLES AND CONSTRUCTION:- Non interference - Stability - Regulatory Department, Sensible Use - Production of Hetrodyne - Hetrodyne Location - Metal Finding - Practical Circuits and Construction - Soldering - Transistor Leads - Reference Oscillator - Testing and Fault Tracing - Search Coil Oscillator - Coil - Testing - Handle - Hetrodyne Detector - Audio Amplifier - Completed Locator - Pitch Control - Location Use.</p> <p>PART 2, ALTERNATIVE COILS, DETECTORS, AMPLIFIERS:- Frequency Stability - Broadcast and Wound Coils - Air Cored Coils - Search Coil Assemblies - Shielded Coil - Two Terminal Coil - Square Coil - Basket Coil - Underwater Coil - Alternative Detectors - Transistor Detector - Detector Faults - Audio Amplifiers - Headphone Amplifier - Two Stage Amplifier - Three Stage Amplifier - I.C. Amplifier.</p> <p>PART 3, CONSTRUCTIONAL AND OTHER POINTS:- Search Coils and Handle - Case - Very High C Loop - 450 to 470 kHz Working - Oscillator Stabilisation - Kind of Metal - 3 Transistor Locator - Search Coil - Coil L2, Circuit and Tag Board - Alternative Coil - Case.</p>	E	P E	13/07/17
Samblancat	Construisez vos detecteurs de metaux	ETSF	21/03/	149	Dimensions : 24,61 x 15,39 x 1,40	F	-	12/12/17

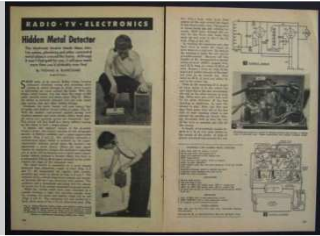

Gerard

2007

For a long time already, the metal detectors excite the imagination of the electronics specialists and the hunters of treasures. This enthralling work initiates you with three techniques used by these mysterious apparatuses, and proposes to you to implement them through three assemblies simple to realize and inexpensive, a first enables you for example to detect a drain, a cable in a wall or objects hidden little deeply in the ground; more sophisticated but always very accessible, second is able to detect a coin hidden with about ten centimetres in the ground; more delicate to realize, a detecting third and last with the comparable performances gives still different results. In the last part of the work, the reader is initiated with research on the ground and the strict rules to respect in the field of detection. A ludic and practical work, to put in all the hands! Biography of the author Gerard Samblancat is technician in electronics.





Scarborough Thomas	Beat Balance Metal Detector	Everyday with Practical Electronics,	May 2004			E	-	12/11/11
	Minimalist Induction-Balance Metal Detector	Elektor,	Oct 2007			E	-	12/11/11
Clarke John	Metal Locator	Everyday with Practical Electronics	July 2011			E	-	12/11/11
Scarborough Thomas	LRC Beat Balance Metal Detector	Everyday with Practical Electronics	Feb 2012			E	-	12/11/11
Bettis G.M.	Building a Modern Miniature-Tube Metal-Treasure Locator	Radio-Craft	December 1940 also June, 1941.	-	-	E	-	12/07/27
Bettis G.M.	FM Metal Treasure Locator	Radio News	Oct. 1942.			E	-	12/07/27
Osborne, W. E.	Try This 1946 Treasure Finder	Radio News (now Radio & Television News),	Nov., 1946.	-	-	E	-	12/07/27
Blanchard Tomas A.	Hidden Metal Detector	Radio TV Experimenter	?	?		E	-	12/07/27
Renne, Harold S.	Electronic Metal Locators	H. W. Sams, Indianapolis, Ind.	1956	117	Early how to build a detector book	E	P	12/07/23
S. J.	Wykrywacz metali	Radioelektronik	07 2003	27	Produkowany przez firmę Smart Kit i sprzedawany jako zestaw do samodzielnego montażu przez firmę wysyłkową ELFA Art. nr 85-854-40,	P	e	12/07/23
Janeczek A.	Prosty wykrywacz metali	Radioelektronik	9/84	p. 5	7400 IC based BFO in Polish. Reprinted in Radio (Russian) Радио 2-85, p.61	P	e	12/07/23
	Prosty wykrywacz metali	Radioelektronik	11/89	s. 31	Przedruk Funkamateur 10/88	P	E	12/07/23
	Wykrywacz metali	Radioelektronik	4/90	s. 31	Przedruk Amaterske Radio B 2/1989	P	E	12/07/23
Wąsowicz P.	Wykrywacz przewodów	Radioelektronik	5/93	46	BFO	P	E	12/07/23
Джугурян Л.	Металлоискатель различает металлы	<i>Radio</i>	2005/3	pp. 45-46	г. Ереван, Армения "Super BFO"	R	E	12/04/23
Багдасарян Т.	Металлоискатель (Metalloiskatel)	<i>Radio</i>	1985/7	pp 51-52		R	E	12/04/23

	Metalloiskatel	Radio (Радио)	1984/ 01			R	E	12/04/23
Blanchard Thomas A.	Hidden Metal Detector	?	1954	?		E	-	11/08/01
Schweiger Gunter	Schatzfinder – Elektronische Metallsuchgeräte	Topp Buchreihe Elektronik 103, Frech Verlag, Stuttgart- Bottnang	1975	pp 767	Seiten mit vielen Abb. und Skizzen Anleitungen/ Schaltungen/ Praktische Ausführung ect. 	G	-	10/02/28
	Kabelsuchgerät mit Ferritantenne	<i>ELV Journal</i>	Nr. 9, Mai/Ju ni 1980,			-	-	10/02/28
	Impuls - Metalldetektor	<i>Elrad</i>	Heft 1, 1982	28-34	Complete PI project. The same as Sept. 1985??	G	e	23/12/10
<i>Lorenz C.</i>	HEH Hobby Elektronik Handbuch	Ing. W. Hofacker Ver- lag, Tegemseer Str. 18, 8150 Holzkirchen.				G	-	10/02/28
Gatowski Andreas	Schatsuche mit metalldetektoren. Technik - Selbstbau - Geländeeinsatz	Elektor Verlag GmbH, Aahen			ISBN 3-921608-81-3	G	e	10/02/28
<i>Schüler, W. Dipl.- Ing</i>	Metallortung mit Detektoren	Nugget Verlags GmbH, Bannhofstr. 24, 8100 Garmisch- Partenkirchen.						10/02/28
	Impuls - Metalldetektor	Elrad	Sep. 1985	pp. 28-34	Simple PI. für P.I. nicht leistungsstark genug. The same as Sept. 1982??	?	-	10/02/28
	Metallsuchgerät	Elrad	1980	pp. 10-16	BFO mit guter Suchleistung, sehr gute Hinweise zum Aufbau.	G	e	23/12/10

Aretz G.	Elektronik für den Tauchsport	Telekosmos-Verlag, Frank'-sche Verlagsbuchhandlung Stuttgart,	1985			G	-	10/02/28
	Elektronische Spuernase	Funkschau	5/198 4	p.84- 86	Simple BFO type detector (thanks Ivars). BFO mit guter Empfindlichkeit, schlechtes Design.	G	-	10/02/28
Wiersma H. P.	Kabelsuchgeraet	Funkschau	4/197 2	p.121- 123	Two box. B-Typ, leicht veraltete Technik mit Filtern.	G	+	10/02/28
	Construction hints and experiences with metal-treasure locators	Radio Craft	Aug. 1941		A metal locator specialist, tells Radio- Craft readers the cures for many of those tantalizing problems which frequently beset the builders of these ingtruments, including types described in past issues.	E	-	09/10/18
Lahr Wiliam	Detector de metales no ferrosos	Radio y Televisión Práctica	March 1982		Buenos Aires, Argentine, ISSN - 0033- 8141, Año XXXIII (Year 33) Nş 1692. Thanks Esteban! (Reprint from Popular Electronics).	S	e	09/08/17
	Buscametales electrónico (Electronic metal detector)	Practicá electrónica	?	pp. 26,27	Suplemento "B". Part of Lúpin. magazine from Argentine.	S	e	09/08/17
	Build a four Transistor Metal Detector	Nuts & Volts	Feb 2008	pp. 50-54	BFO. Thanks Esteban!	E	E	09/08/17
		Popular Electronics	Nov 1992	pp. 62 ?	Hughes invention	E	-	09/08/11
	Hughes balance metal detectors	Radio Craft	Jan. 1944			E	-	09/08/11
	A precise treasure locator	Radio Craft	March 1944			E	-	09/08/11
	Treasure locators	Radio Craft	July 1944		Description of a new 1-tube instrument.	E	-	09/08/11
	Metal Detector	Elektor Electronics	May 1987			E	-	09/08/11
Bajda Łukasz	Wykrywacz metali o dużym zasięgu	Elektronika Praktyczna	07/20	pp.	Klon Sandbanks. Kit AVT 5196	P	P	09/07/12

			09	24-29			E	
	Prosty wykrywacz metali	Elektronika Dla Wszystkich	07/07			P	-	09/07/12
	Magnetómetro sencillo (Simple magnetometer)	Nueva Radio Técnica Era Electrónica	05/08 No 2523	pp. 45-48	For detection of polarities North-South of magnets. Argentina. Thanks Esteban!	S	E	08/08/15
	Sensor de metais proximos (Sensor of metal for short distance)	Aprendendo & Praticando Eletrônica	No. 49	pp. 35-38	Thanks Esteban!	S	E	08/08/15
Majewski Marcin	Impulsowy wykrywacz metali	Elektronika dla wszystkich	08/08	pp. 15-18	KIT AVT nr 2874	P	P e	08/08/15
	Detector De Armas	Radio Electronica	16/95	pp. 59-64	Weapon detector. 4093 based BFO. Brazilian magazine. Thanks Esteban!	S	E	08/08/15
	Testa-dolar (Dollar tester)	Aprendendo & Praticando Eletrônica	No 41	45-49	Brazilian magazine. Thanks Esteban!	S	E	08/08/15
	Detetor de campos eletro-magneticos	Aprendendo & Praticando Eletrônica	No 44	pp. 39-42	Brazilian magazine. Thanks Esteban!	S	E	08/08/15
Scarborough Thomas	One-component Metal Detector	Elektor Electronics	10 2004	p. 76	Uses AM Radio	E	E	08/03/24
Щедрин А., Колоколов Ю.	Двухчастотный селективный металлоискатель КОЩЕЙ-ВМ8043	Радиолюбби	2005, N5,N6.		<a href="http://www.metdet.ru/IB/article2.zip">http://www.metdet.ru/IB/article2.zip</a>	R	e	08/01/26
Щедрин А., Колоколов Ю.	Металлоискатель на принципе цифрового частотомера	Радиолюбби	2002, N1		<a href="http://www.masterkit.ru/info/magshow.php?num=19">http://www.masterkit.ru/info/magshow.php?num=19</a>	R	e	08/01/26
Щедрин А., Колоколов Ю.	Микропроцессорный импульсный металлоискатель	Радиолюбби	2003, N6		<a href="http://www.masterkit.ru/info/magshow.php?num=94">http://www.masterkit.ru/info/magshow.php?num=94</a>	R	e	08/01/26
Calderon E. Garcia	Baston Con Transistores, Detector de Metales	Revista de Información Electrónica	Año 2 Julio 1959, N57	pp 251- 253	Madrid - España (Spain). BFO with block diagram only. Thanks Esteban	S	e	07/10/06
Rolf A. Joe	Low cost metal detector	Popular Electronics	July 1974	pp. 48-49	Detector that beats broadcast station (uses AM radio). Thanks Esteban!	E	e	07/07/02
Braca C. Newton	Localizador De Metais	Saber Electronica	Sept 1977	pp 2- 10	BFO. Brazilian Magazine. Thanks Esteban!	S	e	07/07/01
Jarchovsky Zdenek, ing.	Jednoduchy balancni detektor kovu "Baby"	Praktická Elektronika A Radio	8/06	pp. 9- 11	Simple but interesting VLF.	C	e	07/06/21

Miessner B.F.	Localizador de metales simplificado	Radio Chassis Television	09/68	pp. 65-73	Simple generator to be used with Radio receiver (two box ?) Thanks Esteban.	S	e	07/06/21
Wilhelm Rolf	Hledače kovů - teorie, návrh, stavba, použití	HEL	2003	pp. 175	book	C	-	07/06/21
Osborne W.E.	Localizador de metais transistorado	Anntena	Aug 1963	105-106,139	Reprinted version. Anntena is a Brazilian magazine. Thanks Esteban!	S	P E	07/02/20
Lassus J.	Detector de metales con compensacion del efecto de suelo (part 1, 2, 3 and 4)	Radio y TV Práctica	9/08/85 16/09/85 23/09/85 30/09/85		Weekly magazine from Argentina (thanks Esteban). Original version in French "Radio Plans".	S	E	07/02/19
Lassus J.	Un détecteur de métaux avec compensation de l'effet de sol	Radio Plans	#448 (03/85) # 449 (04/85) #450 (05/85) #451 (06/85)		Tous les détails mécaniques de construction de la bobine sont expliqués. Principe de fonctionnement détaillé (fréq. 28 kHz).	F	-	07/02/19
Lassus J.	Des correctifs aux schémas originaux sont parus dans Radio-Plans	Radio Plans	# 454 (09/85)		corrections	F	-	07/02/19
	Réalisation de Mr. Lassus différant du précédent par le système de correction des effets de sol	Radio Plans	N° 479 10/87 481 12/87			F	-	07/02/19
		Funktechnik	1/68	pp. 25-26		G	-	07/02/01


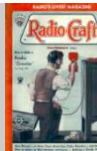
	Ruzne aplikowana elektronika	Amaterske Radio	3/71	pp. 35-38	BFOs – a few diagrams from: Le Haut-Parleur no 1191 Practical Electronics 1/70 Practical Wireless 3/70 (thanks Esteban)	C	e	07/02/01
Bettis G.M.	Metal Locator	Radio Craft	April 1943	pp.406-408, 448	2 box	E	e p	07/02/01
Fitch Clyde J.	How To Built the Radio "Treasure" Finder	Radio Craft	06/32	p.716-717, 749	2 BOX (tube)	E	e p	07/02/01
Palmer C. W.	An Improved Trasure Locator	Radio Craft	August 1934	p.76, p115	 It would be a Fisher M-Scope, and it has a nice article about the detector, however they don't name it as such.	E	e	07/02/01
	Perlor Radio	Le Haut-Parleur	n°1191,	p.165-167	Détecteur à 5 transistors avec fil enroulé sur une bobine de film. BFO - See Czech RK 3/71	F	-	07/02/01
Rayer F. G.	Metal detector	Practical Electronics	1/70		BFO. See Czech RK 3/71	E	-	07/02/01
	Impulsowy wykrywacz metali	Nowy Elektronik	2/06	pp. 4-9	 Thanks Edik. Sandbanks Clone. Timing based on Attiny26. Bascom code included.	P	p e	07/01/21
SS	Prosty Wykrywacz metali	Elektronika Praktyczna	10/96	pp. 72-74	BFO. CMOS based. AVT kit-1104.Thanks Edik.	P	p	07/01/21
Przybysz Wiktor	Wykrywacz metali TRANSET 150	Praktyczny Elektronik	3/95	pp. 12-16	BFO	P	e	07/01/10
	Detector de metales Universal	Elektor	Julio/Augusto 1986 (7/86)		PLL	P	e	07/01/09



	Detector de metales	Elektor	10 1982		as in other Elektors	S	e	06/11/02
Bierestowski Rafał	Inteligentny wykrywacz metali	Praktyczny Elektronik	11/98	p.7-9	one-generator PIC 12C508 based, no code (comments in: PE 5/99 p. 26 -)	P	P e	06/10/27
Osborne, W. E.	Transistorized Metal Detector	Electronics World	Mar. 1962	pp. 86-88	Thanks ESTEBAN !	E	E	06/09/02
Santschi R. J.	The Modern Divining Rod. Construction and Operation of Electrical Treasure Finders, Treasure Seeker's Library, Book 2	Century Press	1927 1928 1931 1939 (4 <sup>th</sup> . ed.)	pp. 129	the construction and operation of electrical treasure finders. Last section is Spanish translation (4 <sup>th</sup> ed.) Lots of diagrams and drawings for illustrations.	E	p	06/08/29
Scarborough Thomas	Poor man's metal locator	Everyday Practical Electronics	06/20 06	pp. 10-13		E	e	06/08/18
		Funkamateur	6/80		Referenced in Russian magazine "Radio"	G	-	06/06/25
Sketeris R.	Tri Mietaloiskatiela na mikroschiamach	Radio (Радио)	8/199 0	pp. 32-35	(3 simple CMOS BFOs) (USRR)	R	+	06/06/25
Džugurian L.	Metalloiskatel razlitchayet metally	Radio (Радио)	3/05		BFO	R	e	06/06/25
Beloglazov N., Aleksandrov Y.	Metalloiskateli MI 2	Radio (Радио)	4/73	pp. 47-48		R	-	06/06/25
Vasiliev W.	Minoiskatel	Radio (Радио)	7/78	pp. 53-54		R	-	06/06/25
	Cercametalli	Radiopractica	April 1971	pp. 311- 317	Off resonance. Thanks Giorgio!	I	e	06/05/01
	Cercametalli	Radiopractica	March 1968	pp. 235- 240	BFO. Thanks Giorgio!!	I	e	06/05/01
	Cercametalli di facile costruzione	Technica Practica	Jan. 1967	pp.40- 48	Electromagnetic Oscillator!!! Very simple. Thanks Giorgio!	I	e	06/05/01
	Metall-Suchgerät	Elrad	1977- 11	Pg 16- 22	TR DD. Elrad project number 449	G	e	23/12/10
Scarborough Thomas	EPE Bounty Treasure Hunter	Everyday Practical Electronics	10/02	pp. 708-	Free supplement. IB. DD coil.	E	e	06/05/01


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	Cercatubi	Elettronica Pratica	Sept. 1997		Giorgio.	I	-	06/05/01
	Cercametalli	Elettronica Pratica	3/80		Giorgio. 2 Mhz with varicap	I	-	06/05/01
	Cercametalli	Radio Elettronica	Mar. 76	p. 29-36	Printed spiral head. Thanks Giorgio!	I	e	06/05/01
	PROTON Magnetometro Nucleare	Radio Elettronica	10/72	p. 912- p. 921	Thanks Giorgio!	I	e	06/05/01
	Cercametalli	Selezione Radio/TV	1966			I	-	06/05/01
Franchi A.	Cercametalli tascabile	Sperimentare	?		Giorgio!	I	-	06/05/01
Recla R.	Un Pratico Ricerca Metalli	Sperimentare	06/72		2 BOX. Thanks Giorgio!	I	e	06/05/01
	Entrobordo fuoribordo	Sperimentare	12/70		Giorgio	I	-	06/05/01
	Detecteur de M a PLL	Electronique Pratique	10/76			F	-	06/05/01
	2 cercametalli a transistor	Sistema A	N°11 1956		Giorgio!	I	-	06/05/01
	Cercametalli low cost	Fare Elettronica	9/92		Giorgio! (pll)	I	-	06/05/01
Beck Robert	Earth Resistivity Logger Part I	Everyday Practical Electronics	April 2003	pp. 208-296	Thanks Giorgio for colour copy!!	E	e	06/05/01
Beck Robert	Earth Resistivity Logger Part II	Everyday Practical Electronics	May 2003	pp. 360-?	Thanks Giorgio for colour copy!!	E	e	06/05/01
Crone R&D	Il Cercatesori	Fare Elettronica	04/90	p. 24-31	Thanks Giorgio! ETI 09/89	I	e	06/05/01
D'Antonio M.	A caccia col metaldetector	Elettronica 2000	7/81	p. 20-26	PLL with Spiral Coil	I	e	06/05/01
Lettieri Andrea	Metal detector	Elettronica 2000	June 1987	pp. ?-?	Thanks Giorgio!. (other title - Cercametalli Professionale)	I	e	06/05/01
Ripa G.	Metal Finder	Fare Elettronica	07-08/97		Giorgio	I	-	06/05/01
	Cercametalli elettronico	Selezione di elettronica	10/84		Giorgio!	I	-	06/05/01
Spadoni A.	Metal Detector	Elettronica 2000	04/87	p. 45-48	Thanks Giorgio! Security (sort of) or pinpointer	I	e	06/05/01
Huggard L. (?)	Houndog	ELECTRONICS Hobbyist	1981	pp. 32	Giorgio!	E	e	06/05/01

				- ?				
Meyer Daniel	Build the "Beachcomber"	Popular Electronics	July 1967	p 27-32 and 84	BFO. fragment available from ECM	E	e	06/03/08
Goss Frank	IC-67 Metal Locator	Electronic Experimenter's Handbook	1968		Fake author's name (real name D. Lancaster)	E	-	06/03/08
Pugh E. James Jr.	Underwater Metal Locator	Radio-TV Experimenter	Craft Print Project no 341	pp. 122-128		E	e	06/03/04
Biga Franco	Metal Detector A Induzione D'Impulsi	Progetto Elektor	08/92	p.40-48	erratum in one of the following issues	I	e	06/01/12
Scarborough Thomas	CCO metal locator	Elektor Electronics	7-8 2005	p. 113	Thanks Esteban!	E	e	06/01/12
Scarborough Thomas	Minimalist Induction-Balance Metal Detector A low-cost treasure hunter	Elektor Electronics	10 2003	pp 60-61		E	e	06/01/12
		Electronics Illustrated	11 1969			E	-	06/01/12
Graf F. Rudolf	Transistorized Metal Detector	Popular Electronics	June, 1959	pp. 83-86	Many thanks Esteban!	E	e	06/01/12
Górecki Piotr	Wykrywacze Metali. Cz. I	Elektronika Dla Wszystkich	4/98	pp. 29-35	overview, no plans part I.	P	e	06/01/08
Górecki Piotr	Wykrywacze Metali. cz. II	Elektronika Dla Wszystkich	5/98	pp. 25-29	overview, no plans, part II	P	e	06/01/08
Pollack Harvey	Construa Um Localizador De Metais Portatil	Electronica Popular	Dec. 1957	pp.9-15 (297-303)	Thanks Esteban	S	e	05/08/12
Burgos J.	Um sensivel detector de metais	Electronica Popular	Feb. 1974	pp.7-12,28,30	Thanks Esteban	S	e	05/08/12

Carignella Charles	O busca ouro	Electronica Popular	Sept. 1963	pp. 16-20 (128-132)	Thanks Esteban	S	e	05/08/12
Hoisington D. B.	Oscillator as Detector	Electronics	1968 March 18	p. 95	Change in oscillator frequency changes beat frequency output of receiver mixer, producing change in audio output	E	e	05/08/05
Smith Alan	Getting started in treasure hunting	Stackpole books Harrisburg, Pa U.S.A.		pp. 91-114	How to make your own MD	E	e	05/08/05
Bartkowiak Maciej	Wykrywacz przewodów elektrycznych	Praktyczny Elektronik	1/95	p. 19		P	e	05/08/05
	Metalloiskatel	Radio	1/84	pp 48-49	BFO	R	e	05/08/03
Krzysztofek Robert	Wykrywacz metalu	Elektronik Hobby	Nr.3 1993		BFO. Based on a Russian book. Thanks Edik.	P	e	05/08/01
	Wykrywacze min	Radioamator	1946	pp. 28-31	Mine detectors. Based on materials from Radio Craft 7-46 and Wireless World 5-46.	P	e	05/07/30
		Wireless World	5/46		See Radioamator 1946	E	-	05/07/30
	Detetor de Massa Plastica em Veiculos	Aprendendo & Praticando Eletronica	nr 30	pp. 38-41	Detector for plastic mass in vehicles. Capable to sense a hole of 1 cm diameter. Brazilian magazine under direction of Mr. Beda Marques. Thanks Esteban	S	e	05/07/30
	Detetor de metais	Aprendendo & Praticando Eletronica	nr 10	pp. 40-44	CMOS based metal detector. BFO. Brazilian magazine under direction of Mr. Beda Marques. Thanks Esteban	S	e	05/07/30
	Caca Tesouro (Detetor de Metais II)	Aprendendo & Praticando Eletronica	nr 25	pp.35-40	Damping amplitude oscillator	S	e	05/07/30
	Detetor de metales	Electronica & Computadores	nr 25	p. 41	Colombian magazine. BFO with NE602. Thanks Esteban	S	e	05/07/30
	Detetor de metales	Electronica & Computadores	nr 73	pp. 10-14	Colombian magazine. BFO at 455 kHz with various stages like filter and audio	S	e	05/07/30



					amp. Thanks Esteban			
	Sensores de Efecto Hall	Saber Electronica	1999 nr 147	pp. 26-28	Magazine from Argentina. Increases the range detection of a magnet 40 times, mean 75 cm from the Hall device. Thanks Esteban	S	e	05/07/30
	Un tester para controlar los bobinados	Nueva Electrónica	Nr 185 Jan. 00	pp. 60-64	Detector for short-circuited turns in coils. Can be used as a metal detector. Thanks Esteban	S	e	05/07/30
	Building and operating the New "Treasure Finder"	Radio Craft	July 1933	p. 8-?		E	-	05/07/30
	How to make a radio "growler"	Radio Craft	Jan 1931	p. 398-?		E	-	05/07/30
Vallejo Horacio D.	Localizador de Canerias	Saber Electronica	Apr. 1998 Nr 130	pp.28- 30	Live cable locator. Thanks Esteban	S	e	05/07/30
Северов Юрий, Кудяров Сергей	Глубоко зарыты клады золотые. Металлоискатель для поиска кладов и цветных металлов. Жизненный опыт и схема прибора	Издательство: Звезда, Формат: 60x90/16	2003 г	68 pages	Мягкая обложка, ISBN 5-88187-197-9 Тираж: 1000 экз.	R	-	05/07/30
Rakes Charles D.	Building Metal Locators: A Treasure Hunter's Project Book	Tab Books Inc., Blue Ridge Summit, PA 17214	Sept. 1986	116 pages	This primary purpose of this book is to "supply a number of tested and operating metal locator circuits that almost any electronic hobbyist, technician, or student can duplicate with comparative ease and put to use finding anything from valuable coins to large mineral deposits." Chapter #1 introduces you to different types of metal locators with basic explanations of each. Chapters 2-6 explain specialised circuits, including schematics, diagrams, photos, and	E	p	05/07/19

					helpful hints on construction and operation. Chapter #7 helps you select and use the proper type of metal locator. ISBN 0830605061			
Stuart (??)	HE 'Diana' metal detector	Hobby Electronics (Gb)	vol. 3, no 11 Sept. 1981	pp. 10-13	0 refs. (pulse induction) correction in 11/81, 3/82, VCO add on in 11/82. Thank you Esteban.	E	e	05/07/11
Macario, R.C.V.	Discriminative Metal Detector	Wireless World	Jul. 1978	pp. 43-46.	controversial BFO with LED "target ID"	E	P e	05/07/02
Samain M. D.	Discriminative Metal Detector	Wireless World	October 1978	pp 57-58	Comment to the Macario's Article	E	P e	05/07/02
Jędrzejczak Tomasz	Wykrywacz metali i przewodów elektrycznych	Praktyczny Elektronik	2/2002	4-5		P	e	05/06/27
Blanchard Thomas A.	One transistor metal detector	?	1958	?		E	-	05/06/26
	How to build a buried treasure finder	Science and Invention				E	-	05/06/18
	Mini detecteur	Nouvelle Electronique	1997			?	e	05/03/15
Hajek Jan, Jarchovsky Zdenek	Impulsní hledace kovů	Prakticka Electronika A Radio	4/01 5/01 6/01		PI – projects, info, good reading.	C	e	05/03/15
Jarchovsky Zdenek	Impulsní detektor kovů s trojnásobnou integrací	Prakticka Electronika A Radio	08/03	8-12	PI – full project, Czech Lang.	C	e	05/03/15
Jarchovsky Zdenek	"Takzvané" dálkové detektory kovů	Prakticka Electronika	2/05		so-called LRL (how are built)	C	e	05/03/15
Scarborough Thomas	'Matchless' metal locator	Silicon Chip	June 2002		IB (available at Geotech)	E	e	05/01/02
	Prosty wykrywacz metali	Świat Radio	04/02	s. 16	Opis KIT AVT2116	P	P e	04/08/30
Borowicz Tadeusz	Przyrząd do wykrywania metalowych przedmiotów w ziemi	Młody technik	11/68	Str. 77-81	BFO	P	e	04/08/29


S. A.	Przyrządy do wykrywania metali w ziemi	Radioamator	1960	pp. 50-151	schemat Dynacord i Ferrotest	P	e	04/08/29
Wojciechowski Janusz	Elektroniczne wykrywacze przedmiotów metalowych [w]: Nowoczesne Zabawki	Wydawnictwa komunikacji i łączności	1963 1974	pp. 448-453 (w wyd. ??)		P	e	04/08/29
Traister Robert & Traister John	How to Build Metal/Treasure Locators	Tab Books, Blue Ridge Summit, Pa.	July 1977, First Edition,	139 pages with Appendices and Index	ISBN 083067909X (1977). Illustrated throughout with diagrams and photographs. Simple, but comprehensive book on building your own metal detectors.	E	p	04/08/22
Scarborough Thomas	Simple BFO metal locator	Silicon Chip	Dec. 2002	Issue 171	Circuit Notebook	E	e	04/06/10
		Radio Hobby	5/03	p. 17	available at: <a href="http://www.masterkit.ru/info/newshow.php?num=311">http://www.masterkit.ru/info/newshow.php?num=311</a>	E	-	04/05/29
Billett E	Metal detector	NEW SCIENTIST	Nov 1998		Publisher: NEW SCIENTIST PUBL EXPEDITING INC, ELMONT	E	-	04/05/29
McIntyre D	Metal detector	NEW SCIENTIST	Nov 1998			E	-	04/05/29
Thompson Frank	Metal detector	Electronics World	Jan 04	p. 50 ?		E	-	04/05/29
	Underwater Metal Locator	Radio-TV Experimenter	Spring 1963, Issue #620		 This waterproof 4 foot loop will perform down to depths of 500 feet and with enough sensitivity to locate an aluminium boat at 10', 5 gal. can at 5', quart can at 2', and flashlight battery at 2". Beat oscillator type detector is	E	-	04/02/24

					designed with vacuum tubes and is powered from a 6v auto battery. 1-page article and schematic blueprints from a vintage 1960 magazine. Article page measures about 6.5" x 9". Folded blueprint section opens to 8" x 21".			
	Segugio	Radio Elettronica	April 83		IB (Houndog (Huggard L.))?	E	-	04/02/07
	Prospector Metal Locator	Electronics Australia	11/79			E	-	04/02/07
	Proximity Switch. Integrated Circuits and Versatile Switches	Electronic Engineering	May 1973	p. 21	Uses Siemens TCA105	E	e	04/02/06
Brown R. M., Kneitel R.	"Metal Sensor" 49 Easy Entertainment & Science Projects	Book, Howard W. Sams, Indianapolis, IN,	1971	p. 21-24	Simple 3-Transistor design can be used for locating nails in wall studs, buried pipes, and other buried or concealed objects. Available in ECM	E	e	04/02/06
Friedman H.	"Coin Finder" 99 Electronic Projects.	Book. Howard W. Sams, Indianapolis, IN,	1971,	p 119-120.	Use with small transistor radio. Available in ECM.	E	e	04/02/06
Gottlieb I. M.	New Approach for the Metal Locator	73	Feb. 1971	p 10-14.	two-oscillator locator	E	e	04/02/06
Lancaster Don	Build IC-67 Metal Locator	Popular Electronics	Jan 1967	p. 41-48, 94, 96, 98-99	two box, reprinted in Winter 1968 Electronic Experimenter's Handbook	E	e	04/02/06
Brown R. M. and T. Kneitel	Pipe Finder	101 Easy Test Instrument Projects, Howard W. Sams, Indianapolis, IN	1968	p 115-117	BFO	E	e	04/01/29
	Hobby Circuits Manual	RCA, Harrison, N. J.		p. 138	HM-90	E	e	04/01/29
Hoisington D. B.	Oscillator as Detector	Electronics	March 18, 1968	p. 95	Oscillating detector frequency changes about 1kHz when nonmagnetic screw or nail is in magnetic field near gap	E	e	04/01/29

					in cut toroid			
Rakes Charles	Build a Treasure finder	Radio Electronics	11/67	p 32-34	 Fragment available in ECM, Tuned-Loop Oscillator With Crystal Filter.	E	e	04/01/29
Rakes Charles D.	Crystal-Filter Locator	Solid State Electronics Projects, Howard W. Sams, Indianapolis, IN,	1972	p 67-73		E	e	04/01/29
Rakes Charles D.	Beat-Frequency Locator	Solid State Electronics Projects, Howard W. Sams, Indianapolis, IN,	1972	p 57-67		E	e	04/01/29
Simonton, Jr., John S.	Carpenter's Mate. Tiny Metal Locator for Tiny Metal	Popular Electronics	Sep. 1969	pp. 69-72	BFO. Fragment available in ECM.	E	e	04/01/26
Brown R. M.	Electronic Hobbyist's IC Projects Handbook	TAB Books, Blue Ridge Summit, Pa.	1968	p. 116	Fragment available in ECM. Two box?	E	e	04/01/26
Darling D. O.	Simple Rf Proximity Detectors	Radio Electronics	Dec. 1966	p 47-48	Production-line metal detector-uses unstable oscillator with coil in sensing probe. Tubes. fragment available in ECM	E	e	04/01/26
Gill G. H.	Summer Fun with a Sensitive Metal Finder	Radio Electronics	July 1966	p. 55-57	BFO. fragment available form ECM	E	e	04/01/26
Huggard Leslie	Build a "Diffrent" Metal Locator	Popular Electronics	Feb. 1969	p. 53-58	Fragment available in ECM. Three – Coil Treasure Finder Uses Inductance Bridge Method Of Detecting.	E	e	04/01/26
Klippberg, Olle	Underwater Metal Hunting for Fun or Profit	Radio Electronics	June, 1966	pp. 38, 39	two-box (along with a radio set) fragment available from ECM.	E	e	04/01/26
Oort J. F, van	Metal Detector	Brief Items of Interest, Electronic Applications, Philips, Pub. Dept., Elcoma Div, Eindhoven,	Vol. 25, No. 3, 1964-	p 123-128	single generator	E	e	04/01/26

		The Netherlands,	1965,					
Rakes C. D.	Treasure Witcher	Science & Electronics	April/ May 1970	p 39- 44 and 80	Two-box. Fragment available in ECM. Also available at Geotech	E	e	04/01/26
Tenev L.	Ustroistwo dla obnaruzenia dwizuschsja mietalliczieskich przedmiotow	Radio Televizja Elektonika	12/86		probably from Bulgarian magazine reprinted in Russian Радио 5-87 (sort of motion detector)	R	p e	04/01/26
Sheets William, Graf Rudolf F.	Build The Frisker	Poptronics	nov. 02		at geotech	E	e	04/01/16
	Metal Detection	Practical Wireless	Jan 1979	p. 35- 42	general text	E	p	04/01/13
Gallagher R.	All about metal detectors	Radio -Electronics	Nov. 1980	p.52- 55	general text, full diagram of Fisher Gemini II	E	p	04/01/13
	One-transistor Metal Detector		1958			E	-	03/12/31
Benrey, Ronald M.	A Treasure Finder You Can Build	Popular Science	July 1966	pp.110 -114	 two box	E	-	03/12/31
	Underground Prospecting Tests with Radio Waves	Electronics	Jul 1949			E	-	03/12/28
Blankmeyer W. H.	Metal Detectors	Electronics	Dec 1943			E	-	03/12/28
Brockheysen	A Practical Metal Detector	Electronics	Apr. 1938	pp. 17-19		E	-	03/12/28
Fore Harry A.	Electron-Coupled Zero-Beat Metal Detector	Popular Mechanics	Aug 1946	214, 215, 220	Thanks Esteban!	E	e	03/12/28
Fore Harry A.	How to build inexpensive treasure Locator	Popular Mechanics	Jan 1940	135, 136, 133A- 136A	Thanks Esteban! Chilson-type metal detector	E	e	03/12/28
Kingerly Albert Henry	Strange Radio Devices Locate Buried Treasure	Popular Science	Apr 1928			E	-	03/12/28


Kreiger Robert	Build a Metal Locator	Popular Electronics	1980 nr 1		BFO	E	e	03/12/28
Macaulay J. P.	<i>Metal Detector</i>	ETI	11/77		found ref. on geotech	E	-	03/12/28
Stewart T. E.	Non-metallic Mine Locator	Electronics	Nov 1945			E	-	03/12/28
Janeczek Andrzej	Wykrywacz Metali	Radioelektronik	6/86	p. 26	simple Two-box	P	p e	03/12/27
Violet Andre	Mine Detectors	Electrical Communication	Mar. 1948			E	-	03/12/02
Rakes Charles	Metal detector	Popular Electronics	03/91		Circuit Circus column	E	e	03/10/17
Rakes Charles	Metal detector	Popular Electronics	06/91		Circuit Circus column	E	e	03/10/17
Rakes Charles	Metal detector	Popular Electronics	07/91		Circuit Circus column	E	e	03/10/17
Rakes Charles D.	Metal detection	Poptronic	07/01			E	e	03/10/17
Rakes Charles D.	Metal-Detecting Circuits II	Poptronic	09/01		two box	E	e	03/10/17
	Induction Prospecting For Small Metallic Objects	Information Circular #6854 US Dept. of Interior Bureau of Mines	10/35			E	-	03/09/5
Bohr Edwin	Two Transistorized Metal Locators	Radio Electronics	03/55	pp. 54-57	Two BFO-s. Small and larger.	E	e	25/03/12
Turner Rufus P.	A Modern Metal Locator	Radio & Television News	09/54	pp. 35-37 &119- 120	This is an updated design of a 1930's machine according to the author 	E	-	03/09/02
	RCA Solid State Hobby Circuits Manual	RCA Distributor Products Harrison, NJ	9/70		 Technical Series HM-91 Over 60 Useful Circuits for Beginners and Experts	E	-	03/07/8
Fisher Gerhard	Plans for Radio Treasure Finder	Science & Mechanics	Feb. 1939		Reprinted in Fisher "World Treasure  News" Vol. 5 Issue 2 (1938?)	E	e	03/07/17
	Uwagi do wykrywacza metali	Praktyczny Elektronik	5/99	p. 29	comments to a previous article (??)	P	-	03/06/21
	Uzupełnienie do wykrywacza metali	Praktyczny Elektronik	10/99	p. 30		P	-	03/06/21

	Sensor de metais proximos							
	Armidetector	Elettronica 2000	04/82			I	-	
	Heathkit Assembly Manual		1969	32 Pages	 Metal Locator Model GD-48 Uses 9 Volt Battery Manual Gives Step- by- Step Assembly Instructions, Schematics, Circuit description, Specs, Troubleshooting Chart, Adjustments Procedures, etc.	E	p	
	Sensibile Cercametalli	Nuova Elettronica	9-10 2002	2-24	Decent VLF IB. No loop details. Italian Magazine. (Thanks Giorgio!)	I	E	15/04/24
	Un Cercametalli Di Nuovo Tipo	Radorama	Sept 1969		IB. Italian Magazine. (Thanks Giorgio!)	I	+	
		Elettronica 2000	08/84			I	-	
	Mini Wire Detector	El. 2000 Top Projet	12/90			I	-	
	Metal Detector	Elettronica Flash	02/86			I	-	
	Cerca Metalli	Elettronica Flash	06/97			I	-	
	Cerca Metalli	Elettronica Flash	03/98			I	-	
	Cercametalli	Eletr. Pratica	03/80		BFO	I	-	
	Il Cercametalli	Radorama	May 1965	31-37	BFO. Italian Magazine. (Thanks Giorgio!)	I	p	
	Hledac kovu	Amaterske Radio B	1989 nr 2		TR type based on a LM311 and PLL MD	C	+	
	Minidetector	Cq Elettronica	9/83		Giorgio	I	-	
	Hledovace Kovovych Predmetov	Amaterske Radio B	1990 nr 4	p. 122-140	15 plans of different MD, no PI (reprinted from other magazines) Czech language	C	p	
	K5000	C. Scope			Complete plans of a MD kit. No loop details. Thanks Giorgio!	E	p	
	Metal Detector	Electronics Today International ETI	Mar. 1980		Available at Geotech. (Shadow from Altek)	E	e	
	Detecteur de metaux universell	Elektor	juillet-août		détecteur à PLL (4046) et CA 3130 fonctionnant à 300 kHz, bobine de 44	F	e	

			1985		cm de diamètre avec une seule spire (câble coaxial).			
	Argus	Elektor	juin 1986		à 2 transistors et un LM 311. Bonnes explications sur les principes de détection et les caractéristiques des matériaux constituant le terrain (diamagnétisme, paramagnétisme, ferromagnétisme).	F	-	
	Metal Detector - high performance and Simple Construction	Elektor	November 1981	p. 4-11	discriminative IB with PLL, no coil's details	E	+	
	Metall-Detektor ....für Shatzsucher	Elektor	November 1981	pp. 61-69	the same as English version (two errata sheets available)	G	e	
	Detecteur de metaux	Elektor (France)	November 1981	p. 64-72	discriminative IB with PLL, no coil's details (errata available)	F	e	
	Der BFO Detector	Elektronik Aktuell Magazin	11/87	p. 51-56		G	+	
	Schatzuche mit Elektronik	Elektronik Aktuell Magazin	11/87	p. 42-50	detailed description of a crystal controlled PI	G	+	
	Detektor metali	Elektronika Praktyczna	6/93	pp25-26	TCA 105 based simple MD (Układy z Francji)	P	+	
	Prosty detektor metali	Elektronika Praktyczna	6/1998		one-generator MD, TL071 based (see Penfold)	P	+	
	Prosty wykrywacz metali	Elektronika Praktyczna	7/94	pp 61-62	simple crystal controlled BFO (kit AVT-218)	P	+	
	Pipe & Cable locator	Everyday Electronics	4/88			E	-	
	Treasure Hunter sound adapter	Everyday Electronics	2/79			E	-	
	Metal detector	Everyday Electronics	May 1987		TR type based on a LM311. Good description of how detectors work. Interesting explanation of the permeability of targets	E	+	
		Everyday With Practical Electronics	August 89			E	-	

		Funkamateur	1/87	p. 37	odwołanie przez Kuchnowskiego	G	+	
	Metalsuchgeraete	Funkschau	4/198 1	p.50- 54	Good basic review about various types of metal detectors. No information about modern discrimination methods. (thanks IVARS)	G	-	
		Hobby Electronics	11/78			?	-	
	La chasse au tresor est ouverte! Un mini detecteur de metaux	Hobbytronic	No 31	pp. 18-24	TCA 205 based (interesting intro)	F	e	
	Un detecteur de metaux a cadre mobile avec disciscrimination ferreux-non ferreux	Hobbytronic	No 35	pp. 13-16	PLL based	F	e	
	Une interface sonore pour notre detecteur de metaux adiscriminateur et galvananometre	Hobbytronic	No 36	pp. 2- 3	cont. Hobbytronic No 35	F	e	
	Induction Balance Metal Detector	How To Build Gold & Treasure Detectors, By ETI	1981 (in ETI in May 1977)	p. 22- 27	Project 549, DD coils (available also at Geotech)	E	p e	
		Le Haut-Parleur	n°141 6	p.57- 59	Heathkit GD 348 : 10 transistors, TR?, freq. 100 kHz	F	-	
		Le Haut-Parleur	n°144 1,	p.260- 264	détecteur à battements, 3 transistors, 300 kHz (ça fera rire ceux qui "travaillent" à 5 kHz	F	-	
		Le Haut-Parleur	n°159 8	p.107- 112 (+p.11 9)	détecteur à boucle de phase, utilisant une PLL 4046 et un TCA 965 comme détecteur de fenêtre	F	-	
		Le Haut-Parleur	n°165 6	p.179	un schéma recopié de "Popular Electronics", à battements, 3 transistors FET (2N5951) et un CI (LM386).	F	-	
		Le Haut-Parleur	n°135 5	p.203- 206	12 transistors BC171, two-box?	F	-	
		Le Haut-Parleur	n°131 6		GD 48 Heathkit, 8 transistors, freq. 100kHz IB	F	-	
		Le Haut-Parleur	n°108	p.98-	détecteur à battements à 5 transistors	F	-	

			2	99	(d'époque : AF168 et OC71)... Pour les nostalgiques			
	LX-312	Nuova Elettronica	Oct. 78			I	-	
	LX-10	Nuova Elettronica	Dec. 72			I	-	
	LX-623	Nuova Elettronica	Mar. 84			I	-	
	LX-756 MILITARE	Nuova Elettronica	May 86			I	-	
	LX-1045 CON MEMORIA	Nuova Elettronica	Aug. 92			I	-	
	LX-1255 Bacchetta per metalli	Nuova Elettronica	July 96			I	-	
	LX-1433 CERCAFILI	Nuova Elettronica	Jan. 00			I	-	
	Détecteur de métaux LF à mémoire	Nouvelle Electronique	dec 1994	p.28-42	(LF = Low Frequency?) : 5 transistors, 5 CI (uA7808, CA3130, LM311, TL081, TL084). Système à variation d'amplitude dans une tête fonctionnant à 130 kHz.	F	-	
	Circuit 1 transistor	Poptronic				I	-	
		Practical Electronics	Oct. 1988			E	-	
	M.D. PROGETTO 11	Progetto Elektor	Nov. 87			I	-	
		Progetto Elektor	Nov. 86			I	-	
	UK780 AMTRON	Radio Elettronica	Nov. 76			I	-	
	RFE-Kurzberichte - metallsuchgerat	Radio Fernsehen Elektronik	10/19 76 (25)	339-340	odwołanie przez Kuchnowskiego	G	+	
		Radio Plans	n°264 Nov. 1969	p.63-67	2 schémas de détecteurs à battements (à 3 transistors).	F	-	

		Radiotechnika	1997		description of a PLL metal detektor, Hungarian magazine	H	-	
		Science And Mechanics	August 1960	page 162	plans for metal detector	E	-	
	Induction Balance Metal Detector	Silicon Chip	May 1994		Construction details of an IB detector (Dick Smith kit K-3006)	E	+	
	Metal Detector 1	Talking Electronic				E	-	
	Cercametalli	Radio Pratica	pp. 235-240		BFO	I	-	
	Cercametalli (KIT EC1900)	Radio Pratica	pp. 311-317		BFO	I	-	
	Metal Detector Ultra Sensitive design bulid for 25\$	Popular Electronics	Sept. 1962			E	-	
	Detecteur de metaux sensible	Elektor	Jan/79		BFO	F	e	
	Shadow MD	ETI (London)	9/80		VLF Altek Company (corrections in 9/80) ??????????	E	-	
	IB MD MK 2	ETI (London)	7/78			E	-	
	IB MD	ETI (London)	6/77			E	-	
	Coin Collector	ETI (London)	7/73		BFO	E	-	
	PLL Metal Detector	Practical Electronics	12/73		SEE: Signetics circuit	E	-	
	Two box TR detector	Popular Science	July 1960		Article not found within this issue !?	E	-	
	Rilevatore Di Metalli	Selezione Radio	06/66			I	-	
	Il Cercatubi	Sperimentare	09/69	P.631/633		I	-	
	C.Scope Technical Note	Sperimentare	02/79		IB-100/200/300/400	I	-	
	METAL DETECTOR	Sperimentare	02/79		Reprint By ETI	I	-	
	IL FAMOSO CERCAMINE SCR- 625	Sperimentare	04/81		Mil. Tube	I	-	
	Cercametalli	Tecnica Pratica	01/67	pag 40/48		I	-	
	Cercametalli	Fare (N°28sist.A)	06/59			I	-	

	Cercametalli semplificato a transistor	Fare (Sistema A)	N°30 12/59	p. 37- 39	thanks Giorgio	I	p	
	Cercamine Tipo SCR-625	Fare (Sistema A)	N°30 12/59	p. 39- 42	Military, tubes thanks Giorgio	I	p	
	Cercamine Tipo An/Prs -1	Fare (Sistema A)	N°30 12/59	p. 42- 45	Military, tubes thanks Giorgio	I	p	
	Il Rilevamentalli	Fare Elettronica	07/93		El. Prat.n°164	I	-	
	Cercafilii A Barra Di Led	Fare Elettronica	12/98		pocket	I	-	
	LX10A/B	Nuova Elettronica	12/72		Giorgio!	I	-	
	LX312-313	Nuova Elettronica	10/78		Giorgio!	I	-	
	LX623	N.Elettronica	03/84			I	-	
	LX649	N.Elettronica	7*8/8 4			I	-	
	LX756 MILITARE	N.Elettronica	05/86			I	-	
	LX1045 CON MEMORIA	N.Elettronica	08/92			I	-	
	LX1255 BACCHETTA M.D.	N.Elettronica	07/96		Pocket	I	-	
	LX1433 Cercafilii	N.Elettronica	01/00		Pocket	I	-	
	LX1465 Sensibile Cercametalli	N.Elettronica	10/02		IB with retune	I	-	
	Cercametalli a 4 valvole	Fare (Sistema A.)	N°30 12/59	p. 12- 21	2 BOX (Tube) thanks Giorgio	I	p	
	Ricercatori elettrici permetalli sotterrati	Fare (Sistema A.)	N°30 12/59	p. 3- 12	2 box review, no plans	I	p	
	Cercametalli a 2 valvole	Fare (Sistema A.)	N°30 12/59	p. 21- 29	thanks Giorgio	I	p	
Allan S.	How to make a m. R. T. Loc.	Radio Craft			2 BOX (tube)	E	-	
Allen Lee, Wait Phil	A 'Discriminating' Metal Detector	How To Build Gold & Treasure Detectors, By ETI	1981, ETI Dec 1980	p. 11- 21	Project 1500, IB, search head available at Altec Instruments	E	e	
Anglin Mark E.	C-MOS twin oscillator forms micropower metal detector	Electronics (USA)	22 Dec. 1977 vol 50 no 26	p. 78	BFO based on 4030, freq. 160 kHz.	E	e p	

Beck Robert	Miernik Rezystywności Gruntu	Elektronika Praktyczna	5/97, 6/97	p. 9-15, p.15-18	pomiar elektrodowy, earth Resistivity meter	P	+	
Beck Robert	Earth Resistivity Meter	Everyday With Practical Electronics	January 1997, February 1997	p.12-21, p.102-104	surveying by means of 4 electrodes	E	+	
Beeler C.	Finding Burried Stuff	Radio Electronics	April 66			E	-	
Bierestowski Rafał	Mikroprocesorowy wykrywacz metali	Praktyczny Elektronik	7/99	p.4-7	one-generator AT89C2051 based, no code	P	e	
Bindley Keith	Find Some Trasure or Avoid tragedy - Turn your tranny into a metal detector	ETI	January 1989	p. 138-141	a generator that turns a radio into a metal detector	E	p e	
Blanchard Tomas A.		Science & Mechanics	1959		see also Radio TV Experimenter pag. 108	E	-	
Bohn Wolfgang Dipl. Ing,	Ein einfaches Metalsuchgeraet	Funkschau	8/1975	p.131-132	(thanks IVARS) pinpointer with a ferrite	G	+	
Bollen D.	MD	Everyday Electronics	5/72		freq shift	E	-	
Bollen D.	Metal Detector	Practical Electronics	1/69		BFO (correction in 3/69)	E	-	
Brdulak Jerzy	Wykrywacze metali	Młody Technik	8/78	p57-65	BFO	P	p e	
Burgos J.	Metal detectors. II	Rev. Esp. Electron.	vol 30 no 344 July 1983	pp. 34-6	Spanish, 0 refs.	S	-	
Calectro	Fascinating Electronic Projects	Rockford, II: Calectro	1973.F first Edition	92	5.5 X 8.5 Inches. Many projects Including Metal Locator	?	-	
Calvert, Frederick H.	Simple Metal Locator	Electronics World	July 1961	p. 73		E	-	

Carr Joseph J.	Experimenting With Magnetic sensors	Electronics Now	June 1998, July 1998	p. 56-60 and 72, p. 49-52	experiments mostly on FMG sensors by Fat Quarters Software	E	+	
Cheeseman Gavin	Metal Detectors	Electronics And Beyond	May 1999 Part1 June 1999-part 2	15-19 (part1) 32-37 (part 2)		E	e	
Chtchedrine A. Kolokolov Y.	Frequency Meter Metal Detector	Circuit Cellar	05/2001 issue 130	pp 26-29	(Atmel based BFO. thanks Chris)	E	e	
						E	p	
Щедрин А., Колоколов Ю.	Схемотехника многочастотного индукционного металлоискателя.	РАДИОХОББИ	2005, N2.		<a href="http://www.metdet.ru/IB/article1.zip">http://www.metdet.ru/IB/article1.zip</a>	R	e	
Clarke John	A Metal Detectors for Metal Objects	Silicon Chip	May 1998	p. 36-40	4011-based BFO	E	+	
Clarke John	Fortune Finder	Silicon Chip	Dec 1999	p. 36-44	CMOS-based BFO	E	+	
Clerc C. & Perrelet J	Tresor & Detections		Mag-92		Magnetometer Plan (thanks Giorgio)	E	-	
Corbyn J. A.	Pulse Induction Metal Detector	Wireless World	Mar. / April 1980	pp. 40-44.	lot of theory, unusual PI	E	+	
Costa A.	A detector for embedded conductors	Rev. Esp. Electron.	vol 30 no 341 April 1983	pp. 44-5	(Spain) 0 refs.	E	-	
Crone R. D.	Fake Sovereign Tester	Electronic Technology	6/89		gold coin tester PI	E	-	
Crone Robert and David	Pulse Metal Detector	Hobby Electronics	6/85			E	-	
Crone Robert and David	Twin Loop Treasure Seeker	ETI	September	p. 42-47	simple P.I.	E	+	

			1989				
Dawson Colin	Beachcomber Metal Detector	Electronics Australia	Dec 1984	p. 100-110	Discrimination IB MD with DD search head	E	e p
Doll et al.	Vehicular Mounted Mine Detector	Electronics	Jan. 1946	pp. 105-109	Detailed plans (tubes!)	E	p
Domagalik Jan	Impulsowy Wykrywacz Metali	Praktyczny Elektronik	8/00	pp 25-28	modified Sandbanks	P	+
Fisher A.	M.D. you can make	Radio For Everybody	1996			E	
Flind A.	Buccaneer MD	Everyday Electronics	7/87		IB	E	-
Flind A.	Fertler 3	Treasure Hunting	July 86			E	-
Flind Andy	E. E. Buccaner Induction Balance Metal Detector	Electronics Projects	No. 1	pp 103-108	details of aTR with DD coils	E	+
Flind Andy	Probe Pocket Trasure Finder	Everyday Electronics	Sept. 1989	pp 568-571	off-resonance probe	E	p e
Flind Andy	Magnum Metal Locator	Practical Electronics	August 1980, Sept. 1980	p. 51-57, p.52-55	Construction details of an IB detector (follows-up in 11/80 and 2/82)	E	p e
Górecki Piotr	Detektor metali	Elektronika Dla Wszystkich	1/96	pp 26 – 28	simple one-generator MD (kit Velleman)	P	+
Green Charles	Gold Grabber	Radio-TV Experimenter	Aug. Sept. 1968	pp 41-44		E	-
Guelle Patric	Detecteurs de tresors, Editions Techniques et Scientifiques Francaises	Paris	1982	book	detailed discussion on MDs, sonars, Hall effect magnetometers, many simple plans with construction details ISSN 0153-0984	F	-
Guelle Patric	Metaldetektoren und Schatzschugerate Selbstgebaut - Viele praktische Gerate	Telekomos Verlag Stuttgart	1984	118-page	detailed discussion on MDs, sonars, magnetometers, many simple plans	G	+

	zur Suche im Freien, im Haus und Wasser			book	with construction details ISBN 3-440-05317-2			
Hageman Rachel and Steve	Metal detector uses single IC	EDN	18 Dec. 1997		BFO	E	e	
Haggard L.	Proton Magnetometer	Practical Electronics	10/70			E	-	
Hubner R	Electronic cable location instruments	Electrotechnik	vol 28, no 1 Feb. 1977.	pp. 53-8	(Switzerland) 0 refs.	?	-	
Huggard L.	Houndog	Elementary Electronics	Sept/Oct 1980	p. 25-27	One IC (LM386) DD metal detector	E	e	
Hunter N.	Treasure Hunter	Everyday Electronics	10/78		freq. shift	E	-	
Janeczek A.	Prosty wykrywacz metali	Elektronika Praktyczna	7/94			P	-	
Justat J., Tkaczyk Z.	Wykrywacz metali [w]: Układy elektroniczne w praktycznych zastosowaniach	Wkił	Warszawa 1983		off resonance	P	+	
Kaufman A.	The Modern Divinig Rod	Radio News	April 1947	pp 41-43 and 126		E	-	
Kimberley Jennings M	Metal detector	Elektor (GB)	July-Aug. 1979 vol 5 no 7-8	pp. 77-8		E	-	
King G. T.	Pipe & cable Locator	Practical Electronics	1/66		BFO	E	-	
Kraus K.	Wykrywacz metali	Elektor - Polska	2/95	1 page	PLL NE 565 based MD	P	+	
Kraus Kamil	Metalldetektor	Elektor	7-8 / 92	p. 109	PLL NE 565 based MD	G	+	
Kuchnowski W.	Metallsuchgerat	Funkamateur	10/88	485	Pinpointer	G	+	
Lahr W.	Coinshooter	Popular Electronics	Aug. 1981		Available at geotech	E	e	
Lancaster Donald E.	Electronic Metal Locators, Basic Types and Design Factors	Electronics World	Dec. 1966	pp. 39-42	excellent reviews of operating methods (no P.I.), good text, many block	E	+	

				and 62.	diagrams			
Leslie, Eric	How Mine Detectors Work	Radio Craft	Jul. 1946	pp. 676, 677, 721	see Radioamator 1946	E	-	
Lettieri Andrea	Mini C. Metalli	Elettronica 2000	05/89			I	-	
Limann Otto Ing.	Metallsuchgeraet aus dem Baukasten	Funkschau	3/1970	p.77-79	dokładny Opis GD-48	G	+	
Lowe A. J.	The Revealer	How To Build Gold & Treasure Detectors, By ETI	1981	p. 45-46	LC oscillator MD, one transistor (unijunction)	E	e	
Madeja L.	Szukacz metalu BIM	Elektronik Hobby	1992 nr 2		wire detector	P	e	
Marcus	Metal Detector, Electronic Circuit Manual	Book: Mcgraw Hill	1971	p. 420	referred as ECM	E	-	
Markus J.	Modern Electronic Circuits Reference	Mcgraw Hill Book Company	1981			E	-	
Markus, John and Vin Zeluff	Handbook of Industrial Electronic Control Circuits	Mcgraw-Hill	1956. 1st Edition,	352 pp.		E	-	
Meslier A. P.	Cercatesori	Progetto Elektor	June 86		BFO (CMOS??)	I	-	
Miessner B. F.	Simplified Metal Locator	Radio Electronics	Sept., 1962	pp. 33-35		E	-	
Mooreshead H.	Metal Locator	Practical Wireless	3/70		BFO. See Czech RK 3/71	E	-	
Mooreshead H.	Treasure Tracer Mk 1	Practical Wireless	8/71			E	-	
Mooreshead H.	Treasure Tracer Mk 2	Practical Wireless	5/73			E	-	
Neville W.	Metal locators are fun-try one!	Electronics Australia	Dec. 1977. vol 39, no 9	pp. 70-1, 73-4	simple BFO	E	+	
Oksieńczyk W.	Wykrywacze metali	Świat Radio	04 1996	p. 51-55	short overview, no plans	P	+	

Opel W.	The PW 'Seekit' Metal Locator	Practical Wireless	May 1977, June 1977	p. 42-46, p. 117-118	BFO with auto tuning	E	+	
Parker, Harry D.	Transitone Locates Hidden Wiring	Radio Electronics	Dec. 1960	p. 35		E	-	
Gerald Pattee S.	Metal detecting for Fun and Profit (Part 1 and part 2)	Modern Electronics	July 1985 July 1985		Part 1 – general discussion (electronics involved) Prt 2. Tips on how to choose detectors (no projects whatsoever)	E	e	22/01/14
Penfold R.	MD	Everyday Electronics	9/74		BFO	E	-	
Penfold R. A.	Low Cost Metal Locator	Everyday Electronics	June 1979	p. 348-352	BFO on a 4001	E	+	
Penfold Robert	Simple Metal Detector	Everyday Practical Electronics	April 1998	pp 248-251	Q detector based on a TL071	E	+	
Penfold Roert	Pipe Nail and Cable Detector	Electronics Today International (ETI)	Vol 28 No.1		(VLF phase metal detector 20khz)	E	+	
Perry R. P.	Ferret MD	Practical Wireless	11/73		PLL BFO	E	-	
Plunkett Malcolm J.	Tools and techniques in radiometric exploration	How To Build Gold & Treasure Detectors, By ETI	1981	p. 61-64	short review	E	+	
Potter John, Shields	How to Build Proximity Detectors and Metal Locators	Merrill Co	June 1972 Also 1965		ISBN 0672208814	E	p	
Prof	“Phaser” Metal Detector				Available at geotech	E	e	
Przybysz Wiktor	Wykrywacz metali Transet 150	Elektronika Praktyczna	7/95		IC BFO	P	+	
Raabe Z.	Mikroprocesorowy wykrywacz metali	Elektronika Praktyczna	7/01	pp. 10-14	uP based BFO	P	e	
Radziszewski B.	Przemysłowe detektory metali	Radioelektronik	4/01 5/01	s. 34 s.12		P	p	
Rakes Charles D.	T/R Locator	Solid State Electronics Projects			Two-box. Available at geotech	E	e	

Rayer F. G.	Treasure Locator	Everyday Electronics	Oct 1977	p. 58-63	BFO type	E	+	
	Cercametalli PLL	Fare Elettronica	4/95		Giorgio!	I	-	
Scarborough Thomas	BFO metal locator	Silicon Chip			BFO	E	-	
Schüler Wolfgang	Ortungstechnik für Profis		1999		With many plans. Available in German and Czech language.	G C	P	
Smith A.	How to make...	Treasure Hunting	Jan. 75			E	-	
Smith Alan	Introduction to Treasure hunting	Harrisburg, Pa. Stackpole Books.	1971	192pp	Maps, charts, some b&w photo illus, How to buy or build your own metal detector; search attics, historic sites, public parks, etc.	E	-	
Stanley John	Earth resistivity meter	How To Build Gold & Treasure Detectors, By ETI	1981	p. 40-43	primitive DC four-electrode meter	E	+	
Stuart Mark	EE Treasure Hunter	Electronic Projects No. 1	June 1994		simple PI	E	+	
Stuart Mark	Microcontroller P.I. Treasure Hunter	Everyday With Practical Electronics	June 1994		no code available	E	+	
The Prof	Phaser	Fare Elettronica	04/93		Prat. El.10/88		-	
Tilbrook David	Simple, sensitive Geiger counter	How To Build Gold & Treasure Detectors, By ETI	1981	p. 55-59		E	+	
Tkaczyk Zdzisław	Wykrywacz metali	Radioelektronik	1/85	p.23-	off resonance	P	e p	
Todd, Carl David	Metal Detector Finds Ducts and Pipes	Electronics	Jan. 1, 1957	pp. 172-174.		E	-	
Turner Dick	Principles of Metal Detection	ETI Canada	6/84		rewritten and badly edited version of "The Art and Science of Metal Detection" from Hobby Electronics	E	-	
Turner Dick	The Art and Science of Metal Detection	Hobby Electronics	5/84			E	-	
Wacławek R.	Wykrywacz przewodów metalowych	Młody Technik	9/85	s. 55-	TTL based BFO	P	e	

				59			p	
Waddington D.	BFO metal detector	Wireless World	April 1977 nr 1496.	p. 45-48	simple BFO	E	+	
Wait Phil	Pipe and Cable Locator	ETI	April 1980	p. 36-41	Two box (project 566)	E	+	
Wait Phil	The 566 Metal Detecor Revisited	ETI	October 1980	p. 51-57	more details on ETI MD	E	+	
Wait Phil	Simple Sensitive Metal Detector	How To Build Gold & Treasure Detectors, By ETI	1981 (in ETI in March 1980)	p. 22-27	Project 561, BFO	E	p	e
Wait Phil, Harrison Roger	A 'deep seaking' metal detector	How To Build Gold & Treasure Detectors, By ETI	1981	p. 47-53	Two box. Identical to other Wait's project	E	p	e
Wales P. J.	Sandbanks Metal Detector	Practical Wireless	Jan 1979	p. 47-51, p.65-66	Complete P.I. project (corrections 3/79-, 4/79-, 8/79+)	E	+	
Wareham G.	Discriminative Metal Detector	Wireless World	October 1978		Comment to Macario's Article	E	+	
Wareham G.	Off-resonance metal detector	Wireless World	1980 nr 1534	pp 47-49	theoretical discussion, not ready-to-follow project	E	+	
Whitehead C. C.	Metal Pipe or Wiring Locator	Practical Electronics	Dec.1976 vol. 12, No. 12	pp. 952-955		E	-	
Whyte Jennifer	Metal Detectors - How They Wok And How To Choose	How To Build Gold & Treasure Detectors, ETI	1981	p. 5-9	review (with some errors)	E	+	
Wilhelm Rolf	Detecteurs de metaux theorie-pratique	Publitrionic	2002		book	F	-	

Williams P. R	Metal detector	Practical Electronics (Gb)	April 1980 vol 16, no 4,	pp. 65	(simple 140kHz detector. Modification in 11/80	E	-	
Wollner H	Metal detector. Electronic keen nose	Funkschau	march 1984 no 5	pp. 84-6	2 refs. (BFO type)	G	-	