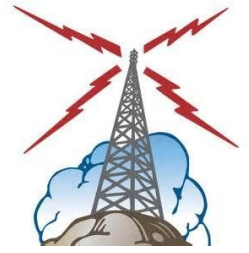




SLATS



St. Louis Amateur Television Society

SEPTEMBER 2025

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SLATS newsletter is published monthly on the 15th as the official newsletter for the St Louis Amateur Television Society.

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Weekly Nets
7pm Fall/Winter
8pm Spring/Summer
WØATN 440 in 426out 4Mhz BW
Talk-back radio: 144.34 MHz

September 2025

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
31	1	2	3 SLATS NET 7:00 p.m.	4	5	6
7	8	9	10 SLATS NET 7:00 p.m.	11	12	13
14	15	16	17 SLATS NET 7:00 p.m.	18	19	20
21	22	23	24 SLATS NET 7:00 p.m.	25	26	27
28	29	30	1	2	3	4

-ON THE NEWS FRONT-

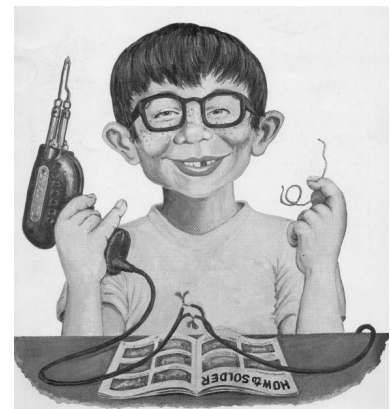
WINTERFEST 2026
SAVE The DATE
ST. LOUIS SUBURBAN RADIO CLUB
HAMFEST
ALL DAY FORUMS 200+ VENDOR TABLE
winterfest.slsrsrc.org

24
JANUARY
DOORS 8AM

RAFFLE PRIZES
GRAND PRIZE \$500
1ST \$300
2ND \$200
3RD \$100

[Mid-Central Premiere Hamfest for 2025](#)

**WØATN NET CONTROLLER
FOR SEPTEMBER**



**RICH
KBØCCL**

FROM THE PRESIDENTS DESK

Submitted by Mel –KØPFX



Hikvision Security Cam with Motorized Zoom Varifocal Lens/2MP Sensor

de KØPFX

If you are looking for an analog (TVI/CVI/AHD/CVBS) security camera suitable for DATV, I recommend one recently purchased from B&H Photo in New York. This low light bullet camera outputs 1920 x 1080p @ 30fps video. It is compatible with your DVR if it has OTC* (Up-The-Coax) which can simplify installation. Camera has a motorized zoom (varifocal lens) for 2.7 to 13mm zoom. For motor power, either 12vdc or 24vac may be used. I use 24vac since 12vdc can draw nearly 10 watts which may cause high voltage drop when powered in the shack. Camera has a good sensor with WDR (Wide Dynamic Range) and usable up to 230 ft. It provides good sharp video in various lighting conditions especially in low light.

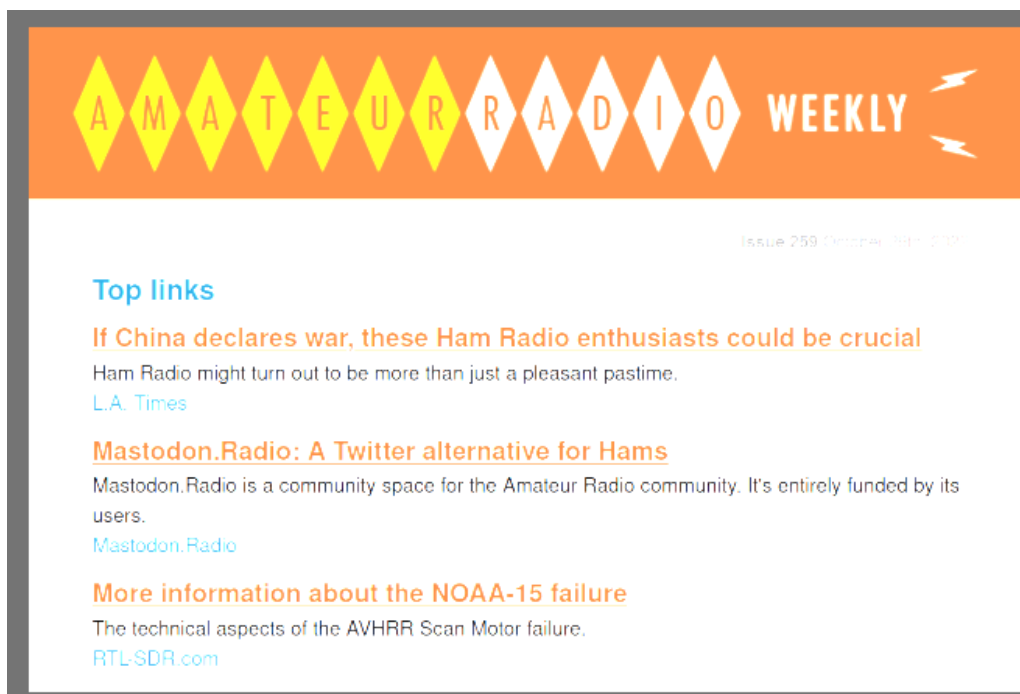
When used with a DVR, a menu can be called up by clicking on the DVR's PTZ icon. The main menu is broken down into 5 settings with their options for Video format, Exposure, Day/Night modes and video settings. You can have a lot of fun messing with it. If you make the picture worse, then use the "default" setting to bring it back to factory settings.

Detailed instructions may be downloaded from the Hikvision web site. The model I purchased DS-2CE19D3T-AIT3ZF is one of several offering even better specifications/more options but at a higher price, of course. B&H sells this one for \$79 with free 2-3 day shipping.

* UTC - Technology that enables communication between the DVR and the camera using the same coaxial cable that transmits the video signal. This eliminates running a separate cable or using RS485 protocol's connectors to adjust the camera. Most DVR's have it. Check your DVR manual for it.

⚡ AMATEUR RADIO WEEKLY

[Amateur Radio Weekly email newsletter of videos
and news for Ham Radio operators](#)



Midwest Superfest™ 2025

September 20-21, 2025

MIDWEST SUPERFEST™

plus ARRL Central Division and Illinois Section Conventions



Three Sisters Park
17189 IL-29, Chillicothe, IL

w9uvi.net · Peoria Area Amateur Radio Club Electronics Expo · 67th Year

TICKETS AVAILABLE NOW

“WHAT’S GOING ON”

**Welcome to the 32nd
Saint Louis Halloween Hamfest.**

Kirkwood Community Center October 25 2025



Sponsored by Saint Louis Amateur Radio Club



Great Event looking forward to the 32nd Halloween Hamfest!

**Saturday October 25, 2025
Kirkwood Community Center
111 S Geyer Road Kirkwood, Missouri
8:00 A.M. to 1:00 P.M. main prize
drawing at 12:00 P.M.**

Talk in 147.75/147.15 PL 141.3

Thanks to the Telephone Employees ARC

GPS Coordinates are 38.34.848N by 090.25.004W



Plenty of FREE Parking



2 Rooms FULL of Swap Tables and Vendors



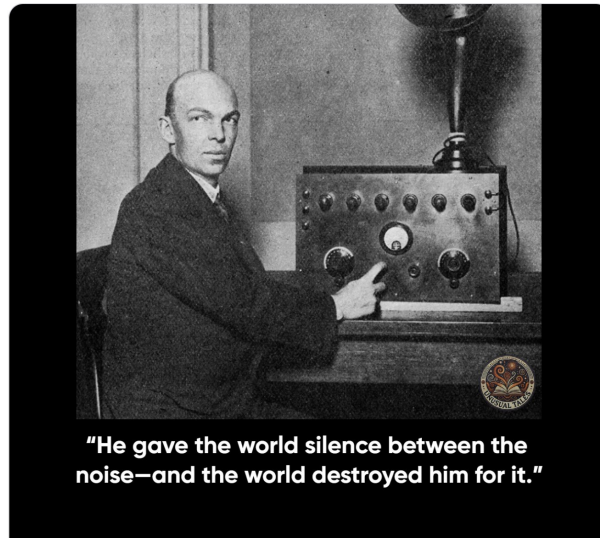
Door prize drawing every 30 minutes



VE Exams



2 rooms with 100 tables!



Unusual Tales

August 30 at 9:46 PM · ⚙️

On November 6, 1935, an engineer named Edwin Howard Armstrong stood before the Institute of Radio Engineers in New York. His paper carried a plain title: "A method of reducing radio disturbance through a frequency modulation system."

What he unveiled was anything but plain. Armstrong had invented FM radio—a way to deliver sound without the crackle and static of AM. For the first time, voices and music could be heard with breathtaking clarity.

It should have been his triumph. Instead, it became his undoing.

Armstrong was no stranger to invention. He had already given the world the regenerative circuit and the superheterodyne receiver, technologies that made radio practical and reliable. But every breakthrough brought him into conflict with powerful corporations—AT&T, Westinghouse, and above all, RCA.

FM threatened RCA's empire. They had poured fortunes into AM and weren't about to see it eclipsed. Armstrong built his own FM network on frequencies between 42 and 49 MHz—a revolution in the making. But in 1945, after heavy lobbying, the FCC reassigned the FM band to 88–108 MHz, instantly making Armstrong's system obsolete. Years of work were erased with the stroke of a pen.

Worse followed. FM stations were restricted to lower power, crippling their reach. RCA pushed television instead, while Armstrong was dragged through endless, ruinous lawsuits. His brilliance was buried under corporate pressure and legal battles.

On January 31, 1954, at 63 years old, Armstrong—exhausted and broken—penned a farewell letter to his wife, Marion. Then he stepped from the 13th floor of his New York apartment. Yet every time we tune in to FM, we hear his legacy. The clear notes of a song, the clean tone of a human voice without static—that was Armstrong's gift. He gave us silence between the noise.

History may have tried to silence him, but his invention speaks for him still.

[#Inventors](#) [#UnsungHeroes](#)

~Unusual Tales

ESTATE SALES

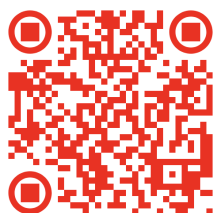
A service to our families of Amateur Radio Operators in their time of need.

If you are interested in purchasing any of the items on this list please contact us (use the form below) to make arrangements for payment (Cash Only) and pick up times. Also, if you have any questions, you may use the form and we will get back to you as soon as we can.

We will also let you know if the item is still available, although, our hope is keep the list updated and remove or label sold items. Of course, everything is on a “first come – first served” basis. Thank you for your cooperation. This is not an easy task. The handlers are not compensated and are merely trying to help the families of the silent key.

Nr.	ITEM	MFR	CONDITION	PHOTO	Est. Value
1	PK232MBX Multimode Packet Radio Controller SOLD	AEA	not tested	photo photo	\$70
2	ST3 Teletype Demodulator (W6FFC Irv Hoff design)	Mainline/Home Brew	not tested	photo	\$30
3	Model 20 KSR Teletype Machine SOLD	Teletype Corp	used/good	photo photo	Make Offer
4	AFSK Oscillator w/ Power supply	Homebrew	not tested	photo	\$10
5	Model FSC-250 Frequency Shift Converter	Electrocom	not tested	photo	\$35 \$25
6	Telegraph Sounder	Western Electric	not tested	photo photo photo	\$60 \$45
7	CR1 Crystal Receiver w/ headphones SOLD	Heathkit	not tested	photo	\$45
8	IB-1102 Frequency Counter (120 MHz NIXIE Tube (readout)	Heathkit	not tested	photo photo	\$80 \$60
9	Antenna, Dummy Load (New, never used) SOLD	Heathkit	new	photo photo	\$20
10	HT-40 Transmitter (Sell only w/HA5 VFO)	Halicrafter	not tested	photo photo	\$80 \$50
11	HA-5 VFO (Sell only w/HT-40 Transmitter)	Halicrafter	not tested	photo	\$50 \$25
12	HQ110A Receiver w/ Matching 5100 Speaker SOLD	Hammarlund	used/good	photo photo	\$150
13	MTPN1136A Base Station Power Supply (14.2 vDC, 2 Amp)	Motorola	not tested	photo	\$25 \$10
14	195B Field Strength Meter SOLD	Bendix	not tested	photo photo photo	Make Offer
15	Model 4410G 420-450 MHz Amplifier w/Preamp	T.E. Systems	not tested	photo	\$350 \$300
16	R4C Receiver (S/N 24836) w/MS-4 Speaker	R.L. Drake Company	good	photo video	\$350 \$300
17	T4XC Transmitter (S/N 26137) w/AC4 Power Supply	R.L. Drake Company	good	photo	\$475 \$400
18	B104 Microphone SOLD	Astatic	good	photo	\$70 \$40

19	BC-939-B Antenna Tuning Unit SOLD	Helicopter/US Signal Corp	unknown	photo	Make Offer
20	23-126 SWR Meter SOLD	Midland	not tested	photo	\$15 \$5
21	BC-652-A Radio Receiver (2-6 Mhz) SOLD	General Electric	unknown	photo	Make Offer
22	Master II Transmitter 29.6 MHz FM	General Electric	unknown	photo photo	Make Offer
23	N5663A SWR/Power Meter SOLD	Daiwa	good	photo photo	\$40
24	RT70/GRC w/AM-65/GRC Receiver/Transmitter Radio Amp SOLD	Govt. Surplus	unknown	photo photo	Make Offer
25	TS711A 144-148 MHz Multimode Transceiver (2-25 Watts) SOLD	Kenwood	good	photo	\$350
26	TS811A 430-459 MHz Multimode Transceiver (2-25 Watts) SOLD	Kenwood	good	photo	\$350
27	TS430S HF Transceiver *	Kenwood	good	photo	\$325 \$300
28	* 35M 12 Volt 35 Amp. Power Supply (sell only w/TS430S)	Astron	good	photo	\$125 \$100
29	J38 Morse Code Hand Key SOLD	unknown	good	photo	\$15 \$10
30	IC2AT 2 meter FM Hand Held w/ 2 batteries, spkr/mic and earphone	Icom	not tested	photo	\$50 \$35
31	6 ft X 19 inch Rack Mount (on wheels with back door) multiple outlets inside SOLD	unknown	used/good	photo photo photo	\$80 \$60
32	HAM III CD-44 Rotator w/Control Box	CDE	not tested	photo photo photo	\$150 \$125
33	Tail Twister Control Box with Ham II Rotator	CDE	not tested	photo photo photo	\$300 \$250
34	HR2A 2 meter Xtal Controlled transceiver	Regency	not tested	photo photo	\$35 \$20
35	HR212 2 meter Xtal Controlled Transceiver	Regency	not tested	photo	\$45 \$25



Use QR code to go directly to website to see photos and other information. Refresh once you get there to update page.

35	HR212 2 meter Xtal Controlled Transceiver	Regency	not tested	photo	\$45 \$25
36	4 Band Scanner Model 16S400 (crystal controlled VHF/UHF)	RCA	not tested	photo	\$30/2 ea
37	Realistic PRO-2006 400-Channel Programmable Scanner SOLD	Radio Shack	dim display	photo	\$25- \$20
38	13-857B CB Radio	Midland	not tested	photo photo	\$25 \$20
39	CB Radio Model KCB 4010	Kraco	not tested	photo photo	\$25 \$20
40	ESR1524 Satellite TV Receiver	Drake	not tested	photo	\$75 \$50
41	269-SWR Antenna Analyzer SOLD	MFJ	not tested	photo	\$125
42	0-610Watt Meter SOLD	Weston	unknown	photo	\$10- \$5
43	AC Ammeter 5 Amp	Weston	unknown	photo	\$10 \$5
44	AC Voltmeter 15 - 30	Weston	unknown	photo	\$10 \$5
45	DC Voltmeter 10 - 500	Weston	unknown	photo	\$10 \$5
45	DC Voltmeter 0 - 1 B	Weston	unknown	photo	\$10 \$5
46	Microammeter, DC (0-200)	Weston	unknown	photo	\$10 \$5
47	Meter, 10 Amp Amperes Plate Meter (BIG)	unknown	unknown	photo	\$15 \$10
48	Meter, Amperes, DC 0-200 (BIG)	unknown	unknown	photo	\$15 \$10
49	SP432VDG Preamp 432MHz specs	Advanced Receiver Research	unknown	photo	\$75 \$50
50	MASTR II Transmitter 29.6 MHz FM (duplicate)	General Electric			
51	TH6BX 20-15-10 Yagi Antenna (Disassembled) SOLD	Hy-Gain	unknown	photo	\$100
52	432 MHz Stacked 5 Element antennas SOLD	Cushcraft	good	photo photo	\$00
53	2-Meter Ringo Ranger Antenna SOLD	Cushcraft	good	photo	\$45 \$30
54	2-Meter 7 Element Antenna SOLD	Cushcraft	good	photo	\$30
55	2-Meter 7 Element Antenna SOLD	Cushcraft	good	photo	\$30
56	2-Meter 11 Element Antenna SOLD	Cushcraft	good	photo	\$35
57	Video Tripod	Ambico	new/in box	photo	\$40 \$25
58	HF Amplifier SOLD	Homebrew	unknown	photo photo photo photo	Make Offer



Use QR code to go directly to website to see photos and other information. Refresh once you get there to update page.

59	RG-8 50 ohm coax cable (new on a reel) approx 100 feet SOLD	Belden	new/on reel	photo	\$80
60	ART-13 Transmitter w/ Antenna Tuner (Condition unknown)	Military Surplus	unknown	photo photo photo photo photo photo	Make Offer
61	NMO-MM 5/8 wave 2 meter Magnet Mount Antenna SOLD	Larsen	good	photo photo	\$20 \$10
62	Speaker (looks like vintage Collins?) SOLD	unknown	good	photo	\$50 \$25
63	ARRL Handbooks Various years 1953-1970 SOLD	ARRL	used	photo	\$2/ea
64	RCS-8V Remote Antenna Switch (new in box) SOLD	Ameritron/MFJ	new/in box	photo photo photo photo	\$90
65	Model 375 6 Position Coax Switch SOLD	B&W	used/unknown	photo photo	\$30 \$20
66	Antenna Tuner (Capacitor & tapped coil)	Homebrew	unknown	photo photo photo	\$20 \$10
67	51M-8 VHF Receiver SOLD	Collins	unknown	photo photo photo	Make Offer
68	242F-5 RF Unit SOLD	Collins	unknown	photo photo	Make Offer
69	242F-5CLF Power Supply SOLD	Collins	unknown	photo photo	Make Offer
70	MFJ 901B Versa Tuner SOLD	MFJ	new	photo photo photo	\$65
71	MC-425 Hand Held Microphone SOLD	Kenwood	used	photo	\$35
72	MC-435 Hand Held Microphone SOLD	Kenwood	used	photo	\$35
73	Type PA-5 Portable Alternating Current Voltmeter	Westinghouse	unknown	photo photo	\$50 \$30
74	CW Keyer SOLD	Homebrew	unknown	photo photo photo photo	\$5



Use QR code to go directly to website to see photos and other information. Refresh once you get there to update page.

75	MS-4 Speaker	R.L. Drake	Good	photo	\$60 \$70
76	23-136 SWR Meter SOLD	Midland	not tested	photo photo photo	\$25 \$5
77	Push up mast (STEEL) SOLD	unknown	Good	photo	\$30
78	121-1 Variable air Capacitor 46-575 pf 7.5KV	LaPoint	Good	photo photo photo	Make Offer
79	4BTV Antenna with low power 75/80/ meter resonator	Hustler	Good	photo photo photo	\$100 \$75
80	VHF Mobile Antennas (NO MOUNTS)	Hustler	Good	photo photo	3 @\$10 ea
81	Vibrokeyer Deluxe Bug Paddle SOLD	Vibroplex	Good	photo photo	\$125 \$100
82	BTL-A Dual Lever Paddle SOLD	Brown Brothers	Good	photo photo	\$60
83	Model HHK-1 Dual Lever Key SOLD	Ham Radio Center	Good	photo photo	\$50
84	JT5P7 8 ohm External Speaker SOLD	Jetstream	New in Box	photo	\$10 \$7
85	AEA CP-1 Computer Patch with accessories	Advanced Electronics Applications, Inc.	Looks New not tested	photo photo photo photo	\$40



Use QR code to go directly to website to see photos and other information. Refresh once you get there to update page.

ITEMS FOR SALE OR GIVE-AWAY

SALE FLEX 6700 SDR RADIO SALE

I want to:
 Sell an item
 Name
 Mel Whitten
 Call Sign
 K0PFX
 Phone (optional)
 +13147391108
 Email
mel@melwhitten.com
 Brief Description of item
 Flex 6700 SDR Radio
 Details, price, condition, etc.
 Flex 6700 100w, 8 receiver slices, Auto tuner, compatible with Down East Microwave converters VHF/UHF
 Includes rack mount option (never used) and FHM-1-8P Flex mic (never used)
 All docs on line at Flex Radio website
 Runs latest Flex SmartSDR software
Excellent condition OVER 50% OFF ORIGINAL COST!
SALE! SALE! \$4000 \$3500 Price Now Reduced to **\$3000** (with accessories). Pick up at my QTH (Prefer not to ship UPS unless buyer pays for insurance)
 3219 Haas Avenue
 Bridgeton, MO
 63044
 US



VARIOUS HAM ANTENNAS

I want to:
 Sell an item
 Name
 Mel Whitten
 Call Sign
 K0PFX
 Phone (optional)
 +13147391108
 Email
mel@melwhitten.com
 Brief Description of item
 Ham Antennas
 Details, price, condition, etc.
 Spring Antenna Sale!
 Various Vertical and Yagi Antennas from HF to Microwave.
 Description and price in [WORD file](#)
 Pick up at my QTH only.
 3219 Haas Avenue
 Bridgeton, MO
 63044
 US

[Click here to see Word](#)

SCAMS / COMPUTER TIPS OF THE MONTH

Due to the times we are living in, we need to be more careful for our safety as well as for our family members. In an attempt to expose some of these scams and crimes that we are seeing and are going on all around us, I am trying to show how some of these scams and crimes are being done. Below are some of the things that might help everyone who is now living in this time and age.

New Scams Are Devastating Americans | It's Only Getting Worse In 2025



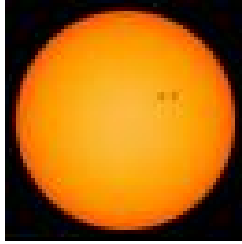
https://youtu.be/_74NV-rYuP4



[Don't fall for these 5 Amazon Scams!](#)

LINKS:

SOLAR UPDATE



[The K7RA Solar Update \(arrl.org\)](http://arrl.org)

SLATS REPEATER DVB-T WØATN

Technical Summary

Coordinates: 38.72126N -90.46454W, Grid Square:

EM48sr [What3Words](http://www.what3words.com)

Elevation: 671 ft AMSL, 90 foot Rohn tower

Transmitter: HiDes HV-200Pro 426.000 MHz Vertical polarization, DVB-T 16QAM @ 4MHz Bandwidth, Video PID 641, Audio PID 642, DCI ATV BP RX/TX Filters

Output Power: 426.000 MHz: (DVB-T) 25w Average

Receiver: HV-110, 440.000 MHz, 4 MHz bandwidth, 16 QAM DVB-T

Antennas: (2) New-Tronics Hustler Spirits, 9db 426TX and 440RX

Talk-Back radio: 2 Mtr FM Diamond Antenna at 45 ft

Coordination: Missouri Repeater Council (MRC) 2016

Sponsor: SLATS – St. Louis Amateur Television Society (SLATS).

Popular off the shelf equipment for High Definition receiving and transmitting is available at the [HiDes Company](http://www.hidescompany.com) and on [eBay](http://www.ebay.com)



Ham Radio Quick Links:

Amateur Television Network

<https://www.atn-tv.com/>

ATN Repeater video streaming

<https://www.atn-tv.com/events/streaming>

ATN on YouTube

<https://www.youtube.com/>

[AmateurTelevisionNetwork](https://www.youtube.com/AmateurTelevisionNetwork)

ATN on Whereby.com

<https://whereby.com/atn1>

TAPR - Tomorrow's Ham Radio

<https://tapr.org>

DIGITAL ATV

Digital Amateur Television D-ATV

[https://www.dxzone.com/catalog/Operating Modes/Digital ATV/](https://www.dxzone.com/catalog/Operating%20Modes/Digital%20ATV/)

YouTube Videos

Dave Casler KEØOG - YouTube

Videos <https://www.youtube.com/channel/UCaBtYooQdmNzq63eID8RaLQ>

Solar Index & Propagation Made Easy

The SmokinApe

<https://www.youtube.com/user/TheSmokinApe>