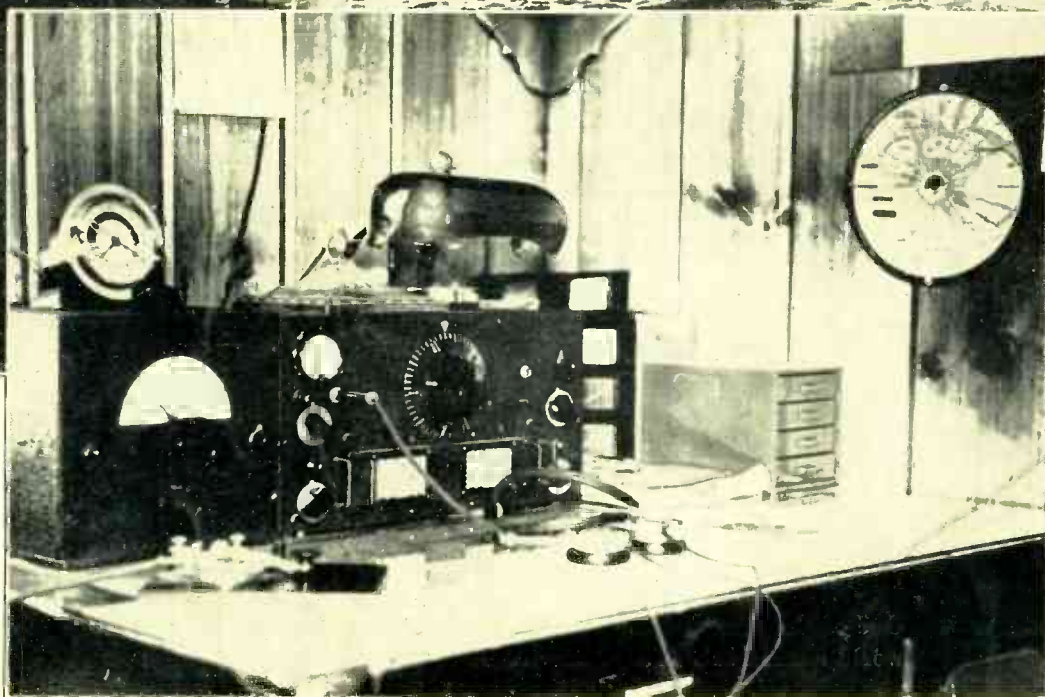
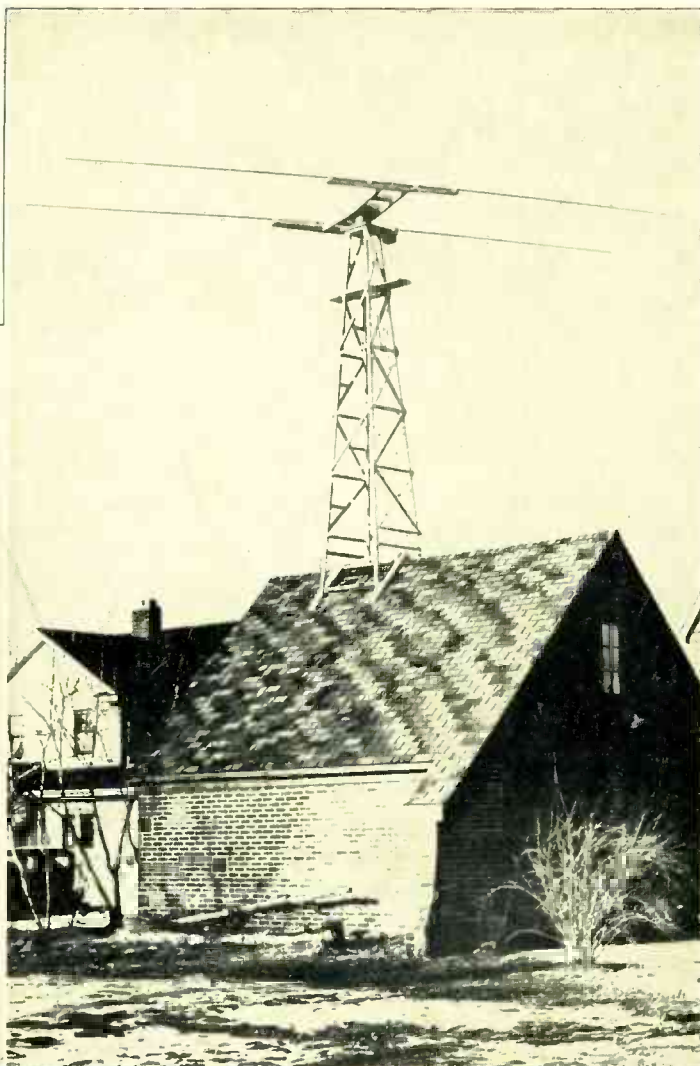
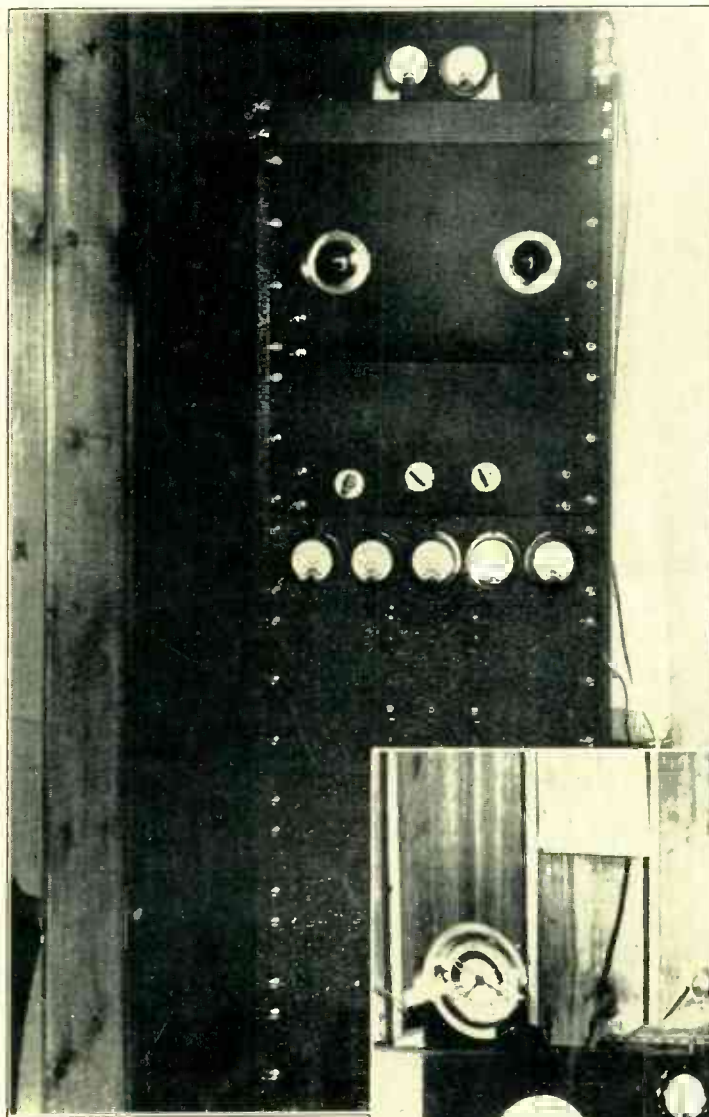


AMATEUR JOURNAL

MARCH

1939

AMATEUR EDITION



W2ARB



From New York to Hollywood

NBC *is* BROADCASTING HEADQUARTERS

AMERICA rates artists on a basis of what they do in New York, Hollywood, Chicago and in the other great entertainment centers of the nation. In each of these centers, NBC is Broadcasting Headquarters, maintaining leadership in programs by giving "Fame" a steady job on both the Red and Blue Networks.

Station Standing

Means Greater Audience for FAME!

There are today 166 radio stations affiliated with the Blue and Red Networks. All across the country you find NBC stations enjoying wide popularity in their areas.

Leadership in Program Planning

Means More Opportunities for FAME!

Throughout 12 years, the style in programs has been set by NBC. Many of the most important types of programs now broadcast were first conceived and put on the air by NBC.

Leadership in Artists' Service

Means Better Management for FAME!

One of the great talent organizations of the world is the NBC Artists' Service. As a divi-

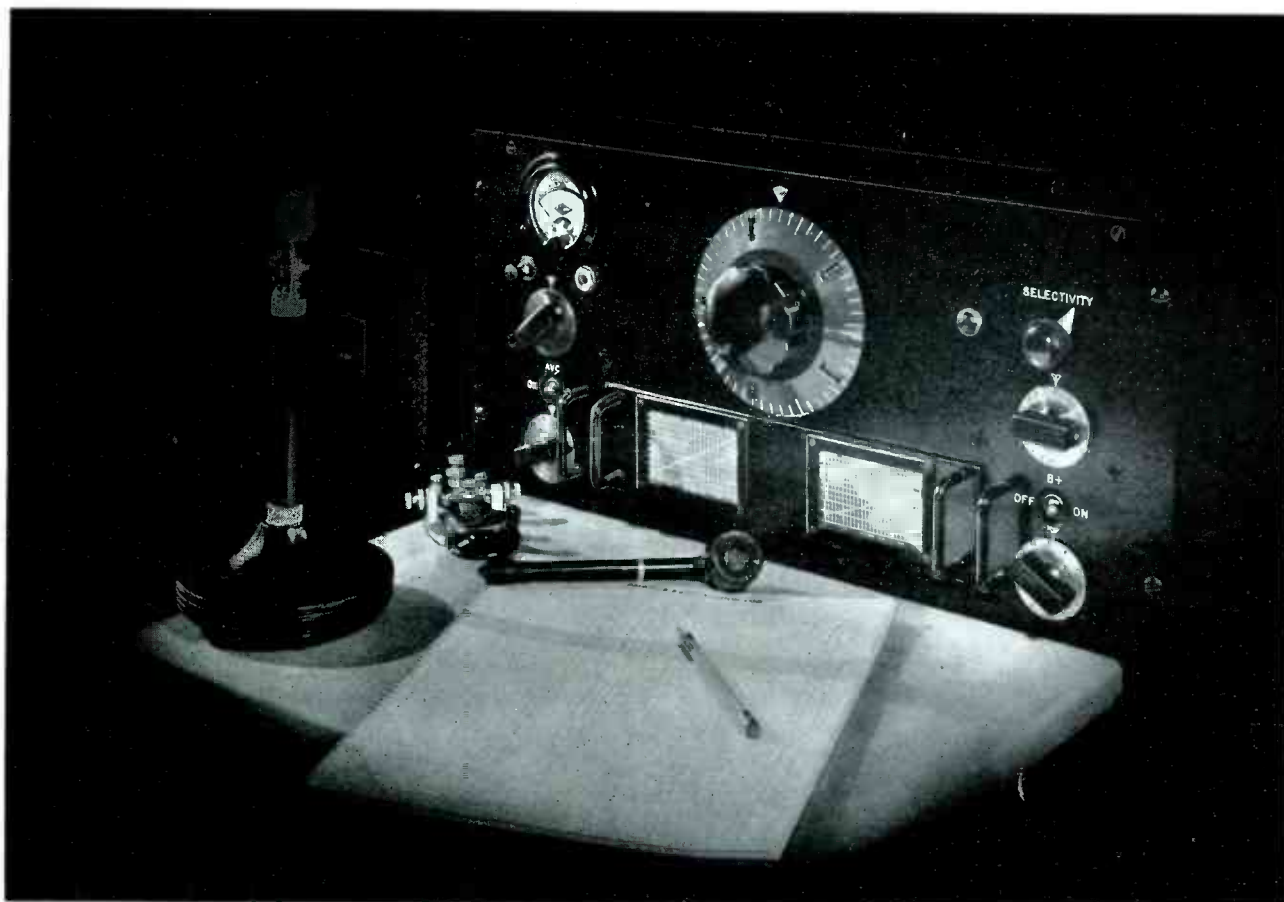
sion of NBC, this Service provides artists with personal management and valuable guidance. It sees to it that "Fame" has a wealth of appearances.

"In the Public Interest"

At all times the National Broadcasting Company operates its networks in the interest of the listener. The public appreciation of this policy insures a great and friendly audience for "Fame."

**NATIONAL
BROADCASTING
COMPANY**

THE WORLD'S GREATEST BROADCASTING SYSTEM
A RADIO CORPORATION OF AMERICA SERVICE



A NY night on the amateur bands you will hear a better advertisement of the Standard HRO than we could write. The unqualified enthusiasm of men who have spent years mastering the fine points of high frequency communication counts for more than a long list of unusual details, even though those details include such items as the PW Precision Condenser, calibrated band spread and a crystal filter as effective on phone as c.w. The demands of modern radio are rigorous, and the proof of the pudding is in the eating.

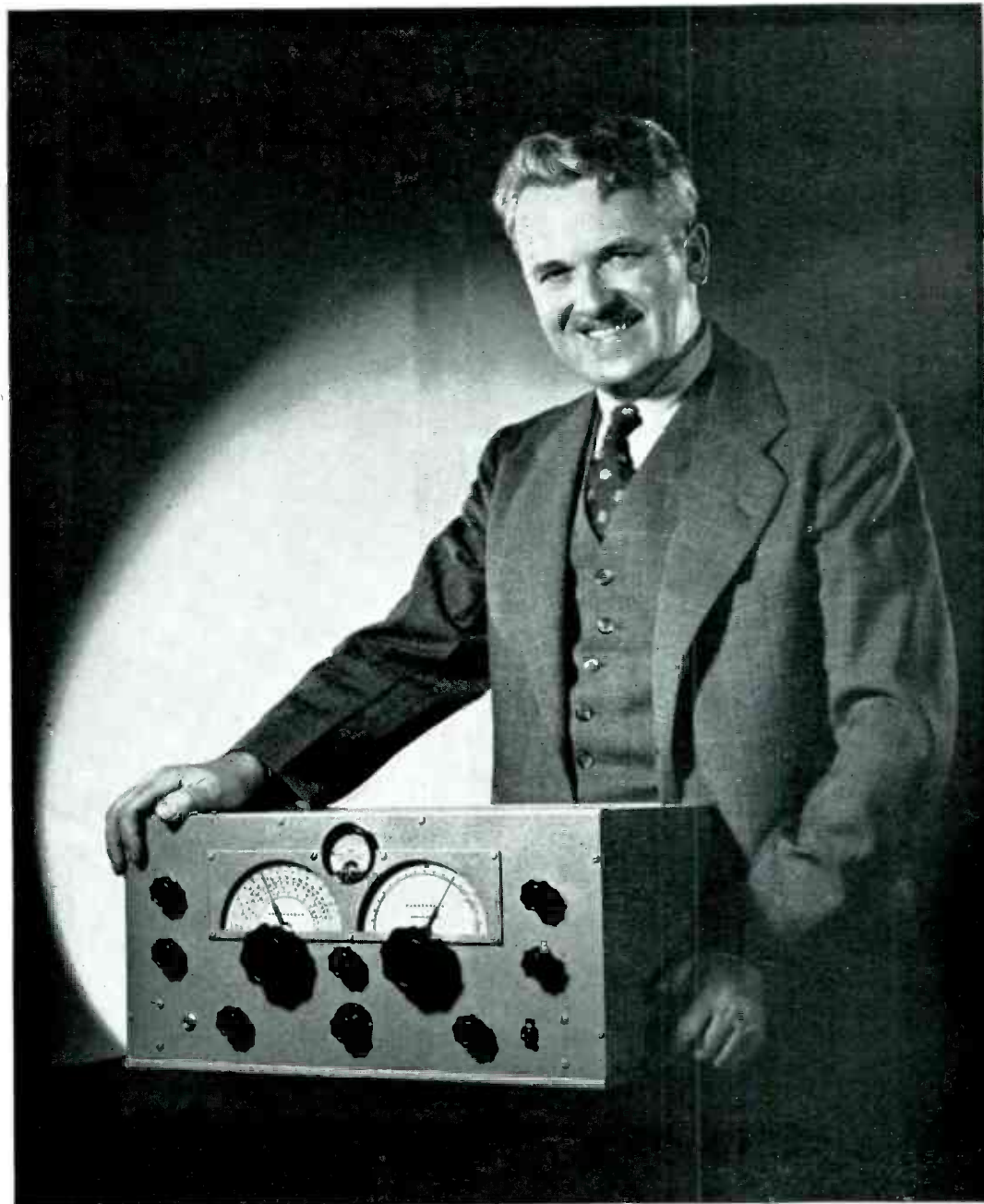
An illustrated folder describing this receiver will be mailed on request

NATIONAL



COMPANY

RME
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Years of planning, years of effort and engineering have made the RME Communication Receiver what it is today—universally accepted by those who know what they want—chosen by a discriminating and critical class of radio amateurs and operators.

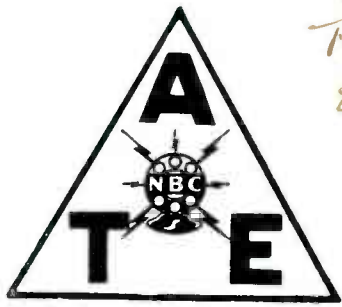
A receiver having every fine feature added which increases operating efficiency when it becomes necessary—and all of this at a very nominal price—really an investment which is actually lower than the lowest priced communication super available.

We Invite Your Inquiry.

Your Inquiry Will
Bring The Literature

RADIO MFG. ENGINEERS, INC.

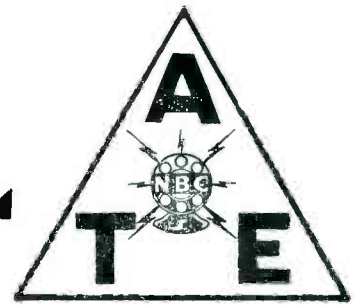
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Evansville Ind

W2ARB
W9AID
W20A

JOURNAL



VOLUME 6 ISSUE 3

MARCH 1939

Q S O KULIK



John Kulik, W2ARB, New York Transmission, whose station graces the cover of this issue is one of New York's most consistent "hams." The remote controlled beam, the neat transmitter and the exceptionally complete receiving position with the RME Pre-selector and HRO receiver make all the fellows here in NY green with envy. We tried to get John to write up his station in a complete article including a little history of its development and maybe some pictures of past rigs. This he stoutly refused to do, saying that he could work anybody he could hear and hear anybody that squeaked, but that he couldn't write a readable sentence for anyone. To which we said "OK" and ask him about pictures of the present layout? Sorry no pictures since he was not an amateur photographer, but we got about that stall by asking Bob Clark to pay John a visit with his Leica. This Bob did and John is as pleased as the rest of us with the results.

From the February "Transmitter" we take a bit of John's history.

"No other NBC engineer in Radio City has probably had as much musical training as John J. Kulik, relief supervisor of the Master Control Board. His is the story of a singer who turned his hobby into a profession. His family gave him a musical education and during his early 'teens he sang with the famous Russian Cathedral Choir for many years. While in high school he became interested in radio and built his own amateur station, W2ARB, which he still operates today.

After graduating from the public schools in his home town, Clifton, New Jersey, he went to work for a bank. While working at the bank he continued his musical studies and also attended the Marconi Institute where he studied radio engineering. He remained with the bank seven years, working his way up to the position of note teller. During that period he sang as a member of the Russian Imperial Quartet and it was during an audition at NBC that he decided to become a radio engineer.

He filed an application for a job and soon afterwards NBC employed him as apprentice studio engineer.

Mr. Kulik turned out to be an ideal engineer because of his musical background. Soon he was handling the controls for many of NBC's leading musical programs. But he did not give up his music entirely. Soon after he came to NBC he joined the Balladeers Quartet, and when he wasn't riding gain he was on the air with the quartet, which rapidly became famous and was heard on many popular shows for many years.

When Toscanini went on the air with the NBC Symphony Orchestra in his first series of NBC concerts, Engineer Kulik was chosen to handle the knobs in the control room. He was among those who worked to give Toscanini's concerts the best reproduction possible in radio. His name was not mentioned but it was he who was riding gain when the music critics praised Toscanini's music and the way it was reproduced by NBC. Many wrote that it sounded as well on the loudspeaker as it did in the studio.

At the end of the first series of Toscanini's concerts last year, Mr. Kulik was promoted from the studio engineers staff to the Master Control Board.

He is married and has a three-year-old son named Alexander John, and he still lives in Clifton, where he has his own home."

There is not much that we can add to this "Ten year" note from the "Transmitter" except that to those of us who know him personally John is looked upon as a trusted friend and an all round "swell fellow." He is an interesting conversationalist providing you are willing and can talk radio intelligently. In the heat of a late "bull" session he is never at a loss in recounting stations worked as he has worked plenty of them. We sincerely believe the title "QSO Kulik" fits him perfectly.

FAVORING THE UNDER DOG

The basic justification of the right of employees to bargain collectively with their employers has always been that only thus could the two sides negotiate on a par. But with the growth of great organizations of labor the scales have been tipped the other way. Big business may still face the union or unions of its workers on an equal footing, but the small employer does so under a decided handicap. He now is the under dog, the puny individual in the industrial scene subject to the dictation of a Moloch.

His situation has found recognition from Vice-Chancellor Maja Leon Berry in Newark, who has ruled that the proprietor of a diner employing three men should be free "to choose employees from the open labor market, union or non-union." Vice-Chancellor Berry has continued an injunction forbidding the Cooks and Assistants Union, Local 399, an A. F. of L. affiliate, from picketing the diner on the ground that "in such case the inequality of bargaining power from which was evolved the principle of collective bargaining is completely reversed and the employer is completely at the mercy of the union; he must submit or be crushed."

We cannot withhold our sympathy with this reasoning. On the other hand, we are unable to see how the law can countenance a discrimination of the kind. Judge Berry contends that "strike activities of organized labor which might be entirely lawful against 'big business' . . . may be unlawful when directed against the small business man employing few men." Yet he admits that "no definite line of demarcation between big business and small business can be drawn and the number of employees may not always be controlling." He merely insists that "each case is a law unto itself" and that "oppression whether of employer or employees, is condemned."

The leeway for judicial fiat which this suggests is, we think, more dangerous than the alternative—an impartial enforcement of the law regardless of the size of the business involved. The recourse of the small employer should be not to legal favoritism, but to organization, so that he, too, may bargain collectively.

N. Y. Herald-Tribune, Jan. 30, 1939

THE ERA OF SLOPPY WORK

Is this perhaps as good a name as any for this disjointed period? The phrase was coined by Mr. Cameron Beck, personnel director of the New York Stock Exchange, in a speech before the Community Forum of Bridgeport, Conn. Mr. Beck complained that workmen all over the country, particularly the members of the younger generation, are losing the feeling of pride in work well done. Many who have observed people at work, in many lines, will feel that Mr. Beck has a good deal of evidence on his side. He went further and predicted that "trouble awaits us unless we can exercise some control and influence over the leisure time of our nation's youth."

But if there is a prevalent epidemic of sloppiness, it afflicts all ages. Vast numbers of the youth of America are being reared, through no fault of theirs, in an atmosphere not only of idleness but of hopelessness. In many fields the old time "pride of craftsmanship" of the adult workers, the pleasure of doing a sound piece of work for its own sake, has lost its appeal. Instead of doing a thorough job, there are workers inclined to do just enough to suffice, and no more. The ineptitude of workers in some trades has become a national joke. It is hard to find a carpenter or a stonemason or a bricklayer who betrays a proper pride in what he is doing. We have developed a new race of impatient clock watchers. It has become one of the

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tenets of these work dodgers to do just enough, as the saying has it, "to keep the franchise."

Men who work with their hands are not the only ones who have been indicted for this sort of sloppiness. One of the frequent complaints of critics is that young writers, painters and musicians are "sloppy." They have not taken the time and the pains, so these observers feel, to master the fundamentals of their art, and thus feel no satisfaction, no thrill of achievement, in turning in a competent performance. And when an outstanding artisan arises among us—there are, as usual, a few—he is regarded as something of a freak. The man who works overtime, or for his own pleasure, carefully and patiently mastering his materials and his technique (and this means virtually any sort of work to which human hands can turn themselves), is looked upon by these work dodgers as being, in some indefinable way, un-American. Our whole economy sometimes appears to be built not upon doing the best work possible but upon avoiding all work. "The Era of Sloppy Work" holds too much exaggeration to be accepted as an accurate or complete description. But it is a useful tag for a tendency that, if long pursued, would result in a jerry-built world.

—N. Y. Herald-Tribune, Feb. 14, 1939

RESPONSIBILITY OF THE RADIO

Three judges in Tioga County, Pa., have just rendered a decision which may be of far-reaching importance in establishing the responsibility of radio stations for matter broadcast. The decision upholds a \$15,000 damage verdict returned by a jury in favor of a hotel in Uniontown, Pa., on a slander charge against the National Broadcasting Corporation. The basis of the suit was a remark made by Al Jolson, the veteran "mammy" comedian, in the course of a radio interview, in which he is

alleged to have said: "That's a rotten hotel." The hotel complained that this remark, which was not in the script, cost them much business. In suing, the hotel did not name Jolson as a defendant, but concentrated upon the company. In the opinion of Judge W. Heber Dithrich is the following statement:

This opinion makes the radio company's position analogous to that of the publisher of a newspaper. In other words, the company is responsible for what is broadcast.

This liability, according to this decision, applies to all forms of broadcasts. If this theory is finally upheld, the broadcasting companies will have one more headache piled upon all their other troubles. For, in the matter of impromptu and improvised "gags," a radio station is peculiarly helpless. As Judge Dithrich pointed out, there is an analogy between a broadcasting company and a newspaper, but the analogy does not follow all the way down the line. For example, the care with which a newspaper is edited and the many hands through which an article passes before it finally appears in the paper make it almost impossible for a reporter or an editor to insert, either wantonly or playfully, as damaging a "gag" as that attributed to Mr. Jolson. Such things, of course, have happened, but the instances are rare. The radio can take all the precautions that human ingenuity can devise, but it remains at the mercy of the impetuous performer. In this matter the radio appears to be helpless, but responsible.

—*New York Herald-Tribune, Feb. 4, 1939*

AND WHAT OF THE DEPENDENTS?

Perhaps few people who contribute to social welfare causes have hitherto heard of the Social Service Employees Union, Local 19, affiliate of the C. I. O.

Such ignorance may be somewhat startlingly dissipated by the announced demands of this union for a month's vacation in summer plus one week in winter for all member-employees; six months' sabbatical leave with half pay after six years' service; time off with expenses for conference attendance, also maternity leave up to six months, with half pay after three years' service.

To many humble toilers in other fields who gladly give what they can to charity the above will seem a dream schedule. Nor are they likely to ignore the overhead costs involved—particularly in welfare services they have been taught to believe are conducted with a minimum of administrative expense.

As for employers in plain business or industry, some of them might well be staggered by comparisons with such widely different working conditions, vacations, etc., in social service organizations—for which their money aid is frequently solicited. Suppose they dry up.

These are bewildering days. To find even social welfare workers organized and militantly pressing union demands is only a little stranger than other developments.

But it may turn out that unionized welfare workers can become too rash to be compatible with the accustomed inflow of welfare contributions.

Shall we then have strikes to *compel* charity?

—*New York World-Telegram, Feb. 14, 1939*

Notes from the F.C.C.

On Operators' Licenses

The Federal Communications Commission announced today the adoption of a revised set of rules governing all classes of commercial radio operator licenses. The new rules, which apply

to 40,000 operators of ship, broadcast, police, aviation, special emergency, point-to-point, forestry and other stations, except amateur, are a composite of the original proposals and the evidence produced at the informal hearings held before the Chief Engineer of the Commission during the summer. These hearings were attended by representatives of practically all branches of radio communication.

Of particular importance to the operators is the deletion under the new rules of the former proposal concerning the applicant's mental, moral and physical qualifications.

Other features of the new rules are the adoption of the previous proposal of the Committee which set 21 years as the minimum age for first class radio telegraph operator licenses. *Provision is also made for the renewal of operator licenses on the basis of employment, credit being given for service obtained as an operator in lieu of taking the examination for renewal of license.*

The new rules change the title of radiotelegraph and radiotelephone third class operator licenses to restricted radiotelegraph and radiotelephone operator permits. This change was necessary because certain misinformed employers acted on the assumption that the license issued by the Commission, regardless of class, technically qualified the holder to make adjustments on the transmitter, whereas the examination for the former third class radiotelephone operator required no technical knowledge of this kind. The commercial operators also expressed resentment at the recognition of non-technical licenses in the same general category as licenses representing highly skilled technicians.

Under the new rules, the full list of 200 questions from which the examination is taken will be made available to all applicants. The Commission has satisfied itself that the new set of examination questions cannot be learned "parrot-fashion."

The rules now require that the applicant secure the passing mark of 75 on each unit of the examination. Previously, it was possible to fail one of the units and by getting a high grade on one of the other units, average through with a mark over 75.

Examinations will be given at stated times in each of the district offices.

RADIO OPERATORS HONORED

Invaluable services rendered at sea by radio operators over a period of thirty years will be depicted during a broadcast of the 14th annual "cruise" of the Veteran Wireless Operators Association, Saturday, February 11, from 11:00 to 11:25 p. m., EST over the NBC-Red Network.

Features of the broadcast will be talks by operators Jack Binns, who flashed word to the world of the collision between the S. S. Republic and the S. S. Florida in 1909, and Alexander Hamilton, radio officer of the Esso Baytown who was on duty from early on a Saturday morning until dawn of the following Monday to keep an anxious world informed of the search for and ultimate rescue of ten of the passengers and crew aboard the ill-fated flying boat Cavalier.

Other speakers will be Richard Stoddard, of the NBC engineering staff, who will be presented with a scroll of honor for his services in connection with the Hughes Round-the-World Flight, and Charles Hogger, who also will receive a scroll for saving lives at sea.

A message from Dr. Lee de Forest accepting the honorary presidency of the Veteran Wireless Operators Association will be read by his brother, Charles de Forest. T. D. Haubner, who sent the first "SOS," succeeding the former call "CQD," will be presented with a silver commemorative medal as will Jack Binns.

NBC AMATEUR CALLS

*Denotes Inactive

Call	Name	Frequencies	Phone or CW	Power	Call	Name	Frequencies	Phone or CW	Power
*W2AK	R. F. Guy (R. F. Engr.) 370 Tyron Avenue Englewood, N. J.	3.5 MC 7 14		200	W2AEB	Irving C. Grabo (NYFE) Glen Ridge, N. J.	14384	CW	100
W2EP	Arthur C. Holub (NY Contl) Duquesne Ter Union, N. J.	14 MC		100	W2AID	M. D. Holland (WEAF)	7096 7138 14192 14200 14276	CW CW Phone Phone CW	75
W2IP	C. Harold Campbell (NYFE) 16 Millington Street Mt. Vernon, N. Y.	14232 14284 28060 56.63	150 CW & Phone		W2AKQ	S. L. Peck (Telev) 80 Maryland Ave. Freeport, L. I.	3.5 MC 7 14		
W2JJ	J. B. Knight, Jr. (Telev) East Orange, N. J.	14016 14254 14310 14160 14244	CW CW CW Phone Phone	1 KW	W2ALB	G. M. Sellar (Contl) 89-86 221 Street Queens Village, L. I.	80-40-20 Any Freq.	CW	300 100
W2KP	N. Hagmann (WJZ) 519 Randolph Road Plainfield, N. J.	14024 14360 28048 28720	CW CW CW CW	200	W2AMG	P. J. Gallant (Opr Supr) 341 Harvard Avenue Rockville Center, N. Y.	14 MC		
W2LV	R. M. Morris (Dev. Engr.) 22 Mt. View Rd. Millburn, N. J.	3800 3947 3961 3990 14100 14320 14200 28675 29175	CW Phone Phone Phone CW CW Phone Phone Phone	800 800 800 800 400 400 400 400 400	*W2AMQ	Fred Walworth (NYFE) 3025 154th St. Flushing, L. I.		CW & Phone	1 KW
*W2SJ	R. K. Strong (Schenectady) 223 James Street Scotia, N. Y.				W2AMS	H. Treger (WJZ) 1100 E. Front St. Plainfield, N. J.	14 MC 28 °C	CW	750
*W2VI	Arthur Giammatteo (WEAF)	7150		75	W2ARB	John J. Kulik (Contl) 12 Heights Rd. Clifton, N. J.	14002 14336 14394	CW CW	
W2VY	George W. E. Shields (NYSE) 12 Annette Ave. Merrick, L. I.	14MC 14399 14380 14336 14300 14280 14256 14004	CW	800	*W2AUR	E. Stolzenberger (NYME)		CW	100
W2ZA	G. O. Milne (Div. Engr.) 487 Marlboro Rd. Woodridge, N. J.	3570 7140 14056 14280 14185 14385 28054 28770	CW Phone CW CW Phone CW CW CW & Phone	800 400 800 250	W2AWU	J. H. Gullans (WJZ) 1357 Marlborough Ave. Plainfield, N. J.	14000 14024 14340 14398 14212 28000 28680 28796 56000	Phone CW Phone Phone	
*W2ABD	Carlos Clark 114 Burtis Ave. Rockville Center, L. I.				*W2BIH	A. A. Walsh (Dev) 1403 Milford Terr. West Englewood, N. J.	56 MC	Phone	150
W2ADI	R. W. Pickard (Telev) 44 Clifford Street East Orange, N. J.	7 MC 14 28	CW	300	W2BNL	Edwin C. Wilbur (Telev.) 1020 Emerson Avenue W. Englewood, N. J.	1922 3766 3829 3939 3993 7101 7119 7126 14166 14202 14238 14252 28332 28404 58000	CW CW Phone Phone CW CW CW Phone Phone Phone CW Phone Phone Phone Phone Phone	150 150 150 150 150 150 150 150 150 150 150 150 175 50 300
					W2BRR	T. J. Buzalski 113 South Union Avenue Cranford, N. J.	14294	Evenings 7-10 EST	

Call	Name	Frequencies	Phone or CW	Power	Call	Name	Frequencies	Phone or CW	Power
*W2BWT	R. F. Schuetz (Aud. Facil.) 94 Rocky Wood Rd. Manhasset, N. Y.				W2HZO	Ralph J. Reid (Studio) Hotel Wellington New York	80-20-10	Phone-CW	200 200W
W2BXY	E. Gundrum (Maint) 307 Cherry Street Elizabeth, N. J.	14050 14244 14298 14198 14088	CW Phone CW Phone CW	500 500 500 500 500	W2IHI	John N. Fricker (Field) 329 Wayne Terrace Union, N. J.	3570 3590 7140 7180 7198 14280 14360 14396	CW CW CW CW CW CW CW CW	1 KW 1 KW 1 KW 1 KW 1 KW 1 KW 1 KW 1 KW
*W2CEF	Walter E. Mullaney (Field) 94 Lincoln Avenue Woodridge, N. J.				*W2INB	R. D. Chipp (Telev.)			
*W2CHG	J. A. Wies (Field) 3022 90th Street Jackson Heights, N. Y.				W2IPG	W. T. Pooler 26-35 4th Street Astoria, N. Y.	7 MC 14 MC 56 MC	CW CW Phone	800 800 35
*W2CRA	A. J. Waddell (Maint)				W2IOX	Robert G. Johnston Michigan Avenue Massapequa, N. Y.	56 MC	Phone	10
*W2CSX	Harold P. See (Television) 114-57 175th Place St. Albans, L. I., N. Y.				W2IUU	G. R. Butler (FE) 2116 Dorchester Road Brooklyn, N. Y.	3500 7000	Phone Phone	100 100
W2CUZ and W2XEJ	Don Whittemore (Field) 50 Briggs Avenue Yonkers, N. Y.	28004 28564 29216	Phone, CW Phone, CW Phone, CW	60 60 60	*W2JDZ	F. R. Rojas (Control)			
W2XER		29920 56008 112 MC	Phone, CW Phone, CW Phone	60 90 70	*W2JRY	H. E. Wheeler (WGY Studio) 1369 Clifton Park Rd. Schenectady, N. Y.			
*W2DCB	J. J. Lombardi (WEAF) 284 N. Grand Avenue Baldwin, N. Y.	7100 14200	CW CW	550 550	W2KDF	S. K. Heffernan 8267 Austin Street Kew Gardens, Long Island, N. Y.	80-40-20-10	Phone, CW	200
*W2DEL	H. C. Mosher (WGY Studio) 144 South Country Club Dr. Schenectady, N. Y.				W2KBA	V. S. Barker (Television) 4714 261st Street Great Neck, N. Y.	14008 14320	CW CW	600 600
W2DHA	W. J. Kelly (Studio) 25-30 154th Street Flushing, L. I.	14120	KC CW	50	W2LPK	William H. Glasscock 117-14 Union Turnpike Kew Gardens, L. I.	20	CW & Phone	
*W2DIT	J. M. Flynn (WEAF) Brookside Avenue Wantagh, N. Y.	7100 14200	CW CW	75 75	W2LXR	Paul Anderson (WJZ) Scotch Plains, N. J.	20-40	CW	100
*W2DWS	H. Young (Studio) 132 Midland Avenue Yonkers, N. Y.				W2XEJ	See W2CUZ			
W2DZR	H. L. Grelck (Studio) 528 81st Street Brooklyn, N. Y.	14228 14374		600 600	W2XER	See W2CUZ			
W2EGD	C. A. Snell (Field) 4915 Broadway (Constr.) New York City	57.9 MC 28 MC	Phone Constructing	40	W3HN	S. E. Newman (Washn)	3570 3930 7140 14280 14236 14222 14320 14396		1 KW 1 KW 1 KW 1 KW 1 KW 1 KW 1 KW 1 KW
W2FED	J. V. Coleman (Field) 339 Lincoln Place Brooklyn, N. Y.	56 MC 14 MC	Portable CW-Phone	2	W3ANJ	W. L. Godwin (Washn)	14220 14280 14238 3570 7140	CW & Phone CW & Phone CW & Phone CW & Phone CW & Phone	125 125 125 125 125
W2GSY	F. G. Connolly (Studio) 364 E. 197 Street Bronx, N. Y.	56 MC			W3AOH	Henry J. Geist (NY Maint.) 3 Cove View Terrace Stamford, Conn.	3570 3700 3910 3980 14010 14154 14280	CW CW Phone Phone CW Phone CW	1 KW 1 KW 600 600 1 KW 600 1 KW
*W2HAT	B. F. Fredendall (Aud. Facil.) 7320 Austin Street Forest Hills, N. Y.								
W2HEJ	M. A. Lewis (Maint) 502 Fairview Terrace Ridgefield, N. J.	3.5 MC 28 MC 56 MC	CW Phone Phone	50 50 50					
W2HIO	P. F. Falcone (Studio) 1933 Lurting Avenue New York								

Call	Name	Frequencies	Phone or CW	Power	Call	Name	Frequencies	Phone or CW	Power
*W3BST	B. E. Stahl Lieut. JG Pounds brass	USNR NAA	CW		W6CRO	Henry Dunton (KGO)	7103	CW	1000
W3CEJ	Frank Fugazzi (Wash)	7109			W6DOB	L. M. Jones (KFI SE)	7-14-28 MC	CW	500
*W3CKH	W. L. Simmons (Wash)		Phone		W6DZP	Earl Sorenson (Hlyd ME) 1238 El Centro Hollywood, Calif.	14,365	CW	600
*W3ESL	R. W. Chapman (Wash)	5 & 75 meter	CW	200	W6GIS	J. A. O'Neil (SF)	7-14-28 MC		
W3HAP	C. P. Sweeney (Telev) 16 Jackson Avenue Chatham, N. J.	2384 2484 3590 7080 7180 14200 14230 14360	CW CW CW CW CW Phone CW Phone	200 200 200 200 200 200 200 300	*W6GVE	Robert O. Brooke (Hlyd SE) ex 4649 Beverly Blvd. Los Angeles, Calif.		CW	250
W3HIH	John Larson (NY Field) 10 Madison Street Princeton, N. J.	20-40-80	CW	200	W6HSC	M. O. Smith (Hlyd Ref. Rec.) 1739 La Paz Road Altadena, Calif.	14,270		
W6BH	K. V. Dilts (KFI TE)	14300 14380	CW	900	W6KIP	W. H. Alexander (KFI-KECA SE) 7-14-28 MC		CW CW	500 25
*W6DO	G. B. McIlwain (SF field)	20-40 10	Phone CW	125 100	W6KLM	F. L. Barron (KPO)	80 meter	CW	350
W6IY	E. L. Parkhurst (SF Maint)	315-7 MC	CW	350	W6KLU	H. S. Christensen (KFI TE)	7020 14040 14385 28080 3959 14208 28840	Phone CW	420 50
W6IX	F. W. Everett (KFI-KECA SE)	7196 14050 14360 14392 28080 3959 14208 28840	Phone CW	420 20	W6LXS	G. W. Tokar (KFI TE)	7200 1889	Phone CW	50
W6JD	C. W. Mason (KFI-KECA SE)	3530 3580 3644 7060 7160 7288	CW	900	*W6NAD	C. Peck (SF Engr. in Chg.)	40-80	Phone	200
W6JJ	A. E. Eldredge (KGO)	3570 7140 14280 3905 14220 14244	Phone Phone	700 1 KW	W6OSH	Al Korb (Hlyd ME) ex 2727 Altura Avenue La Crescenta, Calif.	14,164 14,180 14,132 14,270 14,385 28,800 29,500	Phone Phone CW CW Phone Phone CW	420 50 850
W6KM	W. H. McAuley (KPO)	20 meter Occasional	CW CW	50	W2CGO		ATE-7mc-3.5mc	CW	850
W6KO N6KO	E. C. Callahan (SF Field) USNR (Lt. jg.)	40-80			W6PHS	R. T. Parks (KGO)	7140 14280 7000 14,000 7200 14400	CW	1 KW
*W6MY	E. E. Jefferson (SF)		Phone-CW		W6PKA	Carl Lorenz (Hlyd SE) ex 4522 Grand Avenue LaCanada, Calif.	14,399.5	Phone	300
*W6SQ	K. G. Morrison (SF)	14 MC 56 MC	600-100 Phone, CW	Moving 200	W6QED	Ted Hediger (Hlyd Dir) ex 1228 So. Ridgley Los Angeles, Calif.	14,147 28,960	Phone CW	
W6VH	James Brown (Hlyd ME) 1122 Carmona Avenue Los Angeles, Calif.	ATE	CW	300	W9FK		Var. 10kc		
W6ACX	James Ball (KGO)	3570 7140 14280 20 meter	Phone Phone	100	W8FP	F. E. Whittam (CSE)	3570 & Mult.	CW	50
W6ADI	J. W. Summers (SF)	1994.5 1907	CW	600 100	W8RU	J. A. Cheeks (WTAM) Independence, Ohio	3547		
K6CFZ N6CFQ	F. Fullaway (SF Studio) USNR	7030	CW	150	W8DBC	Grant Makinson (WTAM) Bedford, Ohio	3570 & Mult. 3995 14,216 14,157	CW CW and Phone CW and Phone Phone	600

Call	Name	Frequencies	Phone or CW	Power	Call	Name	Frequencies	Phone or CW	Power
*W8DHF	A. B. Stewart (WTAM) Independence, Ohio				W9CTN	C. V. Corliss (SE) Chicago, Ill.	80-20	Phone	200
*W8GLX	A. H. Butter (WTAM) Brecksville, Ohio				W9DBT	R. B. Whitman (SE)	20-40	CW	75
W8GTG	T. C. Cox (CSE)	1950 3923 14245	Phone	400	*W9DEJ	Andy Forgach (TE) Downers Grove, Ill.			
W8LEX	H. B. Caskey (CSE)	3570 & Mult.	CW	300	*W9DQM	R. R. Jensen (SE) Chicago, Ill.			
*W8LJM	S. E. Leonard (Eng. in chg.) Cleveland Hts., Ohio				W9IAH	A. L. Hockin (SE) Elmhurst, Ill.	40-20	CW	200
W8LLG	J. D. Disbrow (Opr. Supr.) Bay Village, Ohio	3570 7140 7169 14280 14338		500	W9KQS	M. J. Wilson (SE)	14,352	CW-Phone	550
W3QVC	J. F. Hackett (CSE) Berea, Ohio	14042 14244	CW Phone		W9I WV	M. W. Rife (Field Supr.)	80 56 MC	Phone-CW Phone-CW	150 2
*W9AL	T. G. Bombaugh (Chgo. TE) Downers Grove, Ill.				W9IVD	Gale Swift (Music) Chicago, Ill.	20-40-80	CW and Phone	200
*W9AT	E. A. MacCormack (Field) Elgin, Ill.				*W9IHY	W. F. McDonnell (TE) Downers Grove, Ill.			
W9BG	Paul Clark (Jr. Supr.) Niles Center, Ill.	14210	Phone	500	W9JIR	G. E. Webster (SE) Chicago, Ill.	7,104 14,210	CW Phone	200 50
W9BU	W. K. Cole (Relief Supr.) Niles Center, Ill.	14,208 14230	CW and Phone	125	W9LEP	H. T. White (ME) (Chgo.) Evanston, Ill.	40 10-10	CW Phone	350 150
W9CP	J. R. Miller (Sr. Supr.) Hammond, Ind.	40-20-10	CW-Phone	550	W9NBI	Justus Allen (TE) (Chgo.) Downers Grove, Ill.	20-10	CW	350
*W9DQ	Homer Courchene (TE) WENR-WLS				W9QXD	Joe Conn (SE) Chicago, Ill.	28,836	CW-Phone	35
W9FQ	Wilbur Cummings (FE) Chicago, Ill.	3650 7070 14,360	CW CW CW	50 50 50	*W9RDE	H. R. Rawson (TE) Downers Grove, Ill.			
W9GG	R. D. Wehrheim (ME) Winnetka, Ill.	7125 7284	CW CW	450 450	W9RUK	M. H. Eichorst (Relief Supr.) Glenview, Ill.	20-10	Phone	400
W9GN	R. S. Davis (Relief Supr.) Oak Park, Ill.	10-20-40	CW	150	W9SBC	T. E. Schreyer (Opr. Supr.) Des Plaines, Ill.	80-40-20	CW and Phone	150
W9GY	J. H. Platz (Jr. Supr.) Elmhurst, Ill.	80-40-20-10 E. C. O. and Xtal.	CW-Phone	350	W9SGM	Jules Herbubeaux (Prod Mg.) Wilmette, Ill.	14,200	CW and Phone	600
*W9KF	Wm. L. States (SE) Chicago, Ill.	14,154 14,164 14,240	Phone Phone Phone	250 250 250	W9TPJ	H. D. Royston (FE) Chicago, Ill.	56 MC		35
W9MV	Paul Moore (Transmission) Chicago, Ill.	40-20-10	CW	750	W9VNW	Rex Maupin (Music Dir.) Evanston, Ill.	7,012 7,096 7,118 7,177 7,284 14,024 14,192 14,236 14,354	CW Phone	325 135
W9WC	W. O. Conrad (Relief Supr.) Elmhurst, Ill.	3,933 7,003 14,006 14,208 14,398 28,012 28,520 29,856	CW and Phone	150	*W9WRB	R. A. Limberg (FE) Highland Park, Ill.			
W9WS	R. B. Sturgis (Relief Supr.) Niles Center, Ill.	40-20-10	CW and Phone	160	N9FA	Glen Glasscock (Denver)	3,570 7,140	CW	500
*W9AFA	Ralph Brooks (Chgo. ME) Downers Grove, Ill.				*W9PI	Harold Austin (Dev.) Sect. Cont. Station for Sect.	28,500 8, 12th	Phone 70 watts to 809 Naval District	
W9BGI	Vern Mills (Chgo SE)	14,190	Phone	150	W9CZR	Frank Nelson (Denver)	14,300 14,200	CW Phone	150 150
W9CIU	F. C. Shidel (SE) Elmhurst, Ill.	80-40-20-10	CW and Phone	400	W9DSD	Al McClellan (Denver)	14,000 28,000	Phone 200 wts to 242	400
W9CQI	R. C. Bierman (SE) Westchester, Ill.	14,200	Phone	40	W9EYN	Joe Rohrer (Denver)	14,246	Ph. 200 watts to 242A	
					W9FKQ	Garland Dutton (Denver)	14,228 14,266	Ph. 200 watts to 203A CW	
					W9QKW	Russ Thompson (Denver)	14,238	Ph. 70 watts to 807's	
					*W9UXZ	Bill Williams (Denver)	56 & 28 MC	25 watts to 809	

BRIDGE TRAINS

By E. C. Callahan

It was well before Christmas that we began to think of broadcasting from the first commuter train to cross the San Francisco-Oakland Bay bridge and it was just before the holiday season that we made our first test runs. Of course before the "First" train ran across the bridge for the dedication ceremony there had to be many test runs to check transport equipment and to train personnel and it was these test runs that took us and our load of gear across the bay on rails so many times. New Yorkers may smile at our enthusiasm about this business but we in San Francisco are not used to riding on rails under and over the water as are our Eastern friends. Our own pleasure in this turns to wonder when we realize that the elevated bridge structure over the water is more than four miles long—two of which is a cable suspended bridge between Yerba Buena Island and San Francisco.

As the job had to be a radio relay broadcast the question of where to hang antennas loomed large in our minds. The dedication run train was to be made up of Southern Pacific cars which obtained power from an overhead 1200 volt trolley. The clearance between trolley and rails was only seventeen and a half feet so we found ourselves trying to radiate waves from antennae dropped close to steel cars running inside a long steel structure. A receiving point on the Navy signal tower atop Yerba Buena Island (already used on many broadcasts, including the opening of the bridge to vehicular traffic over two years ago and recently the President's review of the U. S. Fleet) was selected. Two transmitters were used on the first test runs—KHCM on 2022 kcs. and WIOXFQ on 31.22 kcs. Much to our surprise signal strength from both transmitters was very good, without so many of the dips and fades so common in mobile uhf operation, but on both carriers appeared a strong noise modulation which did not originate in any of the audio components of the equipment. Several changes in location of the antennae, which had been strung lengthwise of the cars about two feet above the steel roofs (and parallel to and below the trolley wire) did nothing to eliminate the noise but did prove that antennae location was not critical insofar as uhf was concerned.

After much head scratching we reached the week of the actual broadcast without a solution to clearing the noise. An elaborate train control system is in use—using a 100 cycle current in the rails interrupted at various frequencies with pickup equipment and appropriate cab signals in each car. After going into the matter with the Southern Pacific electrical and signal engineers trouble from this control system was not considered possible. The fact was established that the noise modulation occurred only when the train was in motion eliminating all bridge electrical equipment not connected with train operation. The engineers did not believe that any of the equipment on the cars could cause the trouble but to make sure one car was run in the train with all electrical equipment disconnected—still the noise modulation. Unwilling to give up, more head scratching produce the idea that possibly the steel bridge structure and the trolley wire were acting as a RF transmission line with RF energy being transmitted to the trolley through the sliding pantograph—giving the same effect as that obtained from a dirty fader. Much to our disgust, just as we were ready to make a test with the pantograph pulled down and the train in motion the powers-to-be decided that the "first" run would be transferred from the Southern Pacific to the Key System trains which were

also to operate on the bridge.

Equipment and tests were rapidly transferred to the Key System trains which instead of using the overhead trolley, employed a 600 volt third rail for power. As on the Southern Pacific trains we still got the noise but it was much weaker and when the train was traveling slowly an acceptable signal for broadcast purposes was received. There being no choice between the intermediate and uhf as far as signal strength was concerned the uhf channel was decided on after the first test run. A haywire antenna was hung out in front of the Key System train and operated as a Marconi quarter wave from an ND-20 uhf transmitter. For cueing a ND-14 was set up on Yerba Buena Island using cw as there was too much receiver noise on the train to permit reception of voice modulation.

Finally on the day before the broadcast it was decided that only the last portion of the trains run from Oakland to the San Francisco terminal building would be broadcast. This portion of the run being closer to 111 Sutter Street than to Yerba Buena Island a receiver was set up in the Reference Recording laboratory and used on the actual broadcast.

The several weeks intensive testing left us with an unsolved problem in the Southern Pacific train noise, some nice train ride previews for Williams, McElwain, Sanders, Jefferson, Greaves, and myself, memories of hunting for the particular car containing all the equipment in the middle of several hundred other cars of identical shape and color, sights of Sanders pushing a dolly full of equipment along the down town streets—in the absence of the mobile unit of a truck, and five minutes of excellent signal from the train in motion across the bridge.

HOLLYWOOD ATE DANCE

"A swell time," "nice party," such are the comments on the Hollywood Chapter's first ATE Dinner Dance. Some 250 people donned their best bibs and tuckers to gather at the festivities which were held in the Rendezvous Room of the Biltmore Hotel in downtown Los Angeles. Music for the evening was furnished by Bob Keith and his Orchestra. Later on in the evening, Shep Fields and his rippling rhythm orchestra dropped in to lead a real swing secession. Entertainment was furnished by the Gilmore Circus Troupe. A fifteen minute broadcast on the coast blue network was one of the features of the evening. On the broadcast Mr. Don Gilman, vice-president in charge of west coast, was cornered by the announcers and forced into announcing the band numbers. The more serious end of the program was a presentation of an award to Richard Stoddart by the Veteran Wireless Operators Association. The VWOE Dinner Dance was taking place in the Hotel Astor in NYC. The presentation was by telegram to Dick who was attending the ATE Dinner Dance in Hollywood.

The dance committee was composed of three members, Joe Kay, Ray Ferguson, and Bob Brooke. Accompanying is one of the very attractive posters which was used to advertise the dance. All hands are anxiously looking forward to next year's party.

NEW YORK

By Ted Kruse and Jon Larson

Where to go on vacation seems to be the question of the day, and as always it seems that the better-half will decide not only where but when. Those of us with children in school have our time limited to between the first part of June and the first part of September.

More new faces showing up in television with Klaus Landsberg, formerly with Farnsworth, and W. S. "Shorty" Carson from the N. B. C. Washington office. Klaus brings with him a rich background of German television and electronic experience plus a great personality. His only complaint is that he has had a hard time learning the RCA tube types, numbers, characteristics, and heater voltages (and who hasn't?) in the fourteen months he has been in this country. "Shorty" Carson is six feet six and one-half inches in his stockings and can't weigh more than one-sixty-five—so he is considerable of a "bean-pole." Yea, he is taller than Bill Eddy by some one-half inch!

Henry Meyer is now a member of the Studio Group, having just recently transferred there from Maintenance where he has spent the last several years. Henry says he was getting stale from never seeing anyone but the maintenance crew. Good luck Henry as a "gain cranker" and give 'em the devil on the SOS.

Has anyone tried a "Beermug" transmitter from the bob run at Lake Placid? Or maybe we shouldn't mention it. Might suggest Dewey Strugell, NYFE, if you really wanted a record run.

Since we have mentioned Dewey Strugell we wish to thank him for the pictures and the notes on his recent trip to South America to care for the N. B. C. radio equipment at the Lima Conference. Dewey came back to Radio City looking like a million with a swell coat of tan and normal avoirdupois. As mentioned in the February Journal he made many additions to his stamp collection and took several swell pictures. Two of his pictures will appear on the N. Y. page in April.

Pittsburgh is a popular town with Al Wies who covers the Dorsey Jam sessions for Brown & Williamson. Al and his partner in crime Johnnie Fricker are now getting smoke in their eyes.

Everyone in Field knows that what is now the Control Room's gain is the sad loss of the nemo gang since indistinguishable Dewey Sturgell made the change.

Almost all the boys have made their mid-winter I-hope-the-wife-likes-it vacation choices. Note: the vacations are for this summer!

Seattle and the Atlantic Clipper should now be well acquainted with Whitemore who hurriedly left here on January 21st to straighten it out for its debut on the first scheduled commercial hop to the Old World. How is the supply of chewing-gum and cotton holding out, Whit?

SF gang please note: The Marine exhibit to be held some time in March in SF by the Photo Arts Monthly will show three prints of Larson's.

Walt Mullaney having spent three long months with the Recording group was welcomed back with open arms of the Field gang.

W2ALB, Jerry Sellar, with a new exciter will hereafter be more regularly heard on 3570kc and the regular bands, unum per tempem, he hopes.

We wonder if the gentleman of the FCC who saw the Television demonstrations in Washington has given up hope of seeing his image appear on the kinescope after being televised.

SE George Maher of Chicago might be interested to know that a namesake and former NYFE, George Mayer stopped in to visit the other day. George is now with WMCA.

We rote here too that RCA gave quite a pat on the back to Parks, W6PHS, for his nice rig using 813s in the output. Quite deserving OM.



Reid R. Davis IV, two years, son of Bobbie and Reid Davis, is giving his Christmas dog a good going over. Always the photographer "Rah" says the film was Eastman XX and the exposure 1/20 second at f-2.

W. R. Brown, NYSE, who will be remembered as the engineer on the recent Canton Island Eclipse Expedition, has received a temporary leave of absence from NBC in order that he may take up duties at the New York World's Fair. "Brownie" will have charge of radio activities at the fair and will work under the direction of John S. Young, former NBC announcer. We wish him the best of luck in his new undertaking.

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CHICAGO

F. C. Shidel

Bob Whitnah, W9DBT, finally has his rig on the air. Bob's big obstacle was the fact that he lives in an apartment building notably exclusive because it bars dogs and active hams.—well, at least it bars dogs. There is an antenna on the building (wire same color as building brick) carefully concealed. Hope the building management does not see this . . . or the antenna.

M. J. Wilson, W9KQS, advises that he will soon be on with fone in the 20 meter band.

W. O. Conrad, W9WC, has recently completed the overhauling and rebuilding job on his receiver. It now sports an HRO Dial and band change system . . . and it really drags in the DX.

J. H. Platz, W9GY, is busy putting his experimental ECO band switching exciter unit into his transmitter in permanent form. The job has to be completed by the time the DX contest starts in March. Platz is going to be hard to beat this year.

Bill Cole, W9BU, is getting into South Africa on twenty meter fone with a very good signal.

George Maki, relief TE, is planning a rombic directed on Alaska.

F. C. Shidel has a new HQ 12OX receiver and is getting all set for the DX contest.

The boys in the Mail Room have started a gag which, if carried far enough, will rival that of Ponzi. Each time they get a shoe shine two cents is dropped into a little box. As the fund assumed larger proportions, and the fellows find themselves broke with pay-day more than a week away, loans are made at the modest rate of three percent per day. The comptroller of the fund advises that it will be large enough to buy some swell trophies for the golf tournament this summer.

One of Bill Cole's friends at the CQ (Chicago long lines repeater) called him on February 2 and wished him a happy ground hog day. The good will idea was swell but Bill was home and had to get out of bed to receive the call.

Speaking of ground hog day . . . it is reported that a certain studio engineer turned in a voucher for "dinner money account working on a holiday."

With all this sudden popularity someone will probably start lobbying for this day to be added to the official holiday list.

If the ground hog did see daylight he dug through at least fifteen inches of snow as that amount of snow fell in Chicago on January 30. The storm stopped almost everything in the

Chicago area except broadcasting. There were a few program changes as artists, technicians, and production men experienced great difficulties in getting to the studios. Transportation was tied up for hours. The transmitter engineers on duty during the storm just stayed there . . . it was easier than trying to go home. They were not worried about food as one said, "we have a little of everything in the food line advertised over NBC." Of all the funny things brought about by the storm, the sight of Lindsay, WMAQ station engineer, arriving at the transmitter aboard a big horse was tops. He had hitched a ride with a farmer . . . his only complaint was that the horse was too fat and his leg ached all the day after the ride. The Rock Island Railroad stopped their Golden State Limited near the WENR-WLS transmitter so A. R. Johnson and H. R. Rawson could get to work on time.

The boys here in Chicago were very pleased to note in Bob Brooke's column in the January issue that our Ken Hicks likes egg nogs. Hollywood must be doing things to Hicks.

P. H. Clark is spending a lot of time with architects and contractors getting plans ready for his new home to be built in Niles Center this spring.

Chairman Joe Conn and his entertainment committee have set April fourteenth as the date for the ATE dance. Tommy Dorsey's band and the Casino Room of the Congress Hotel are being negotiated for.

Instead of engineering the Breakfast Club show on the Blue on the morning of February 14, Ray Bierman is going to do a little stooging for Don McNeil. Bierman, no doubt, will be the subject of some "McNeil it or not" gags during the interview which should uncover facts regarding what an engineer does on this early morning show . . . besides yawn.

Vacation schedules almost completed . . . a lot of us wondering if the dough will hold out long enough to allow us to do what we have planned.

*New Jersey's Leading Ham Parts
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ARRON LIPPMAN & CO.

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KOA, DENVER

Al Isberg

The twenty meter phone band in Denver is for the most part monopolized by five KOA engineers and a page boy whose ambitions are directed toward the engineering department. Only one other local twenty meter fone, dubbed a furriner by the NBC boys, was heard the other evening when the gang staged a preview of the coming DX contest. They all worked the DX too. It was almost certain for one of the various directional beams to lay a good signal in the most remote locations of the globe and by cooperative listening and transmitting, most of the stations could exchange greetings with the dx ham. W9EYN claims all but the fifth district in something like twelve minutes—a record that seems good enough to stand for a while.

A short time ago I stated that ham radio has taken like the measles, but that is putting it rather mildly. The enthusiasm and fine spirit that is now so obvious is a direct contrast to the extreme lack of interest and activity a year ago. Perhaps it's because some of the boys hadn't recovered from being married—or were they dubious about going on the air with anything short of the ultimate in ham rigs lest they draw criticism from those outside our organization who expect us to uphold the high standards set by broadcast engineering practice?

A few years ago, Joe Rohrer, W9EYN, was one of the best known hams on the twenty and seventy-five meter bands. But like a lot of us, he gave up all the fun for the more serious business of establishing a home. His interest during the transition period has been great enough to build a console, similar to

contest. It is built to accommodate two 19 inch panels in the center section and one on either side. When completed, it will contain the speech equipment, oscillograph, monitoring equip-

Joe demonstrates the rigidity of the 70 foot tower. It has weathered 60 mph gales, cost about thirty dollars to build, and Joe says next one will be 90 feet high. Tower has been used for residential receiving antennas for H. F. NBC pack set in plane broadcasts. Photo by Jordan of N. Y. maintenance.



Upstairs, the disillusioned radio widows sadly ponder over the dreadful change in their once attentive husbands.



Downstairs, Stan and Joe discuss dx; disregarding time and their wives' plans for the evening.

the N. Y. studio consoles and the one in our MCD, that is really a treat to look at. As yet it is not complete, but in its present shape it will serve as an operating position until after the DX

ment, jack strips for patching, Pro receiver, and operating controls. Joe has done a commendable job of woodworking—even though it was all done without power tools.

In the pictures, Joe, who is standing and Stan Neal, W9LNB, seem to be entirely oblivious of their marriage obligations or the feelings of their good wives who at that instant are literally crying their eyes out. The radio widows, left to right, are Louise Neal and Evelyn Rohrer. Stan and Joe pooled their resources for the dx contest. Joe furnished the 70 foot tower, his control desk, and Pro receiver and Stan the dust covered ether buster that has reposed ungracefully in the basement of his dad's house since he started courting the gals about four years ago. Pretty soon he will have been married two years so the readjustment hasn't been so long at that.

About a week ago, when W9EYN took the air for the first time, Russ Thompson, W9QKW, chanced to hear their first cq. His fone had been on the air about two weeks and he was very proud of it and the dx he had worked so, in a very paternal manner, he proceeded to raise Joe and Stan and welcome them to the twenty meter band. Just as he was saying something about—"us old hands at this ham business are always glad to help you neophytes with your troubles"—his speech amplifier gave up the ghost and like a balky mule wouldn't give out a thing. That one will take a long time to live down.

Russ made the mistake of taking the speech amp out to the transmitter shortly thereafter and left it a day or so before he had time to work on it on a day off. In the meantime various playful parties fixed it up in katzenjammer fashion. The extra wires they connected in the queerest places evidently caused Russ to doubt the validity of the continuity meter, let alone his own eyes. Russ says no hard feelings boys, but just wait!

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HOLLYWOOD

By Bob Brooke

Dance a Success . . . Winter Winds . . . Strang Leaves . . .
Ham Radio . . . A & A to Palm Springs

ATE DANCE . . . Joe Kay reports first annual Hollywood dinner dance a complete success . . . socially and financially . . . One hundred and four couples attended . . . Shep Fields and Bob Kieth's music . . . Curtis Peck, Buddy Sugg, Tad Fullaway down from San Francisco . . . Dancing lasted until three and much whoopee extended until six and eight A. M. when most got home . . . one producer fell in the fish pond at Buddy Twiss's in the early hours . . . particularly fine comments on our party were forthcoming from the show people who attended . . . All credit and thanks to Joe Kay . . . ably assisted by Ray Ferguson . . . Engineers made up a parchment next day and all signed to congratulate Joe and the committee on fine job . . . Bigger and better next year by golly.

MISC . . . Don DeWolf, Hollywood's Chief Engineer, back at his old tricks as Field Supervisor to help Miv Adams erect Short Wave doublet for the WOEH San Francisco tests . . . De plenty busy these days getting new Radio City running smoothly and seeing that an overabundance of work is spread out over an underabundance of engineers . . . WOEH tests to RCAC at Point Reyes successful . . . Excellent quality and freedom of fading shown by recordings made at SF NBC on emergency SW circuit from Hollywood . . . Miv Adams, Field Supervisor, installed battery operated WOEH in the 'Mobile Unit' garage (empty) and fed a half wave doublet on the roof . . . Wo operating on 8655 for daytime tests "came through" as usual and put a healthy sock into the big receivers at Reyes . . . It is expected that a permanent emergency transmitter will be installed at Radio City eventually for this service . . .

PERSONALS . . . Lucky, red headed, tennis playing Ferguson left last week with two ND-10's for his annual winter siesta in Palm Springs . . . And he has the nerve to ask for a vacation when he gets back . . . Oh Me . . . MacKenzie starting pre-engineering course mornings at UCLA . . . Brown through his law at USC in May . . . Johnny Morris back from few days at Palm Springs with swell tan . . . Jake O'Kelly doing schedules now instead of Steve Hobart . . . Steve giving full time to the board . . . Floyd Wetteland back in studio until the rush slacks a bit . . . Al Korb also back in studio from maintenance for same reason . . . Floyd staying home gardening . . . Bill Andrews, night manager, reads Journal, likes television stories . . . Always find the Journal prominently displayed at his house and at many others . . . Mr. Saxton drove back to SF with the Curtis Pecks . . . Expects to be there a week on routine inspection and business . . . Office secretaries report lost feeling in our new ninety offices and three stories . . . Hard to realize they are working in a radio studio as their new quarters are considerably separated from operations . . . Denny bought himself a new Dodge coupe . . . his first swing from Ford in years . . . Fullaway of SF floored the boys with his new black Buick convertible with red leather upholstery . . . Steve's house coming right along . . . Paul Carson building too . . . Frank Figgins beginning to see the end of equipment installation and adjustments . . . About all the extra incidental equipment not originally needed to open the building but called for in specifications has been cleaned up and is operating . . . Paul Greene has survived the winter at the beach so instead of moving to town the Greenses will remain for the swimming season . . . Paul hopes

for a tennis tournament in the spring . . . Denny doing the Santa Anita jobs on Saturday sez he has been contributing to the upkeep of the track . . . Joe Kays have moved across the street and Joe has built a barbecue in the backyard . . . Dick Stoddart sporting a new Dodge Coupe too . . . Having his NY furniture shipped out and redecorating their apartment . . . Rushon still on location in Utah . . . Lorenz, O'Kelly, Capstaff have new dogs . . . Carl's killed by car recently . . . De back and forth a hundred miles to relatives in Bakersfield each week . . . Stoddart awarded Veteran Wireless Scroll for 1938 . . . "Most Outstanding Radio Operating in 1938" . . . Award made at ATE Dance as VWOA award made same evening at Hotel Astor in NY . . .

HAM NEWS . . . we have reported all kinds of weather in these pages but now we have a new one . . . A young hurricane on a perfectly clear sunshiny day . . . We are now cleaning up the debris of a three day gale that has blown down 5,000 trees, a broadcast vertical radiator, two ATE antennas, picked 600,000 boxes of oranges, etc. . . . Carl Lorenz lost the middle fifty footer of his two H beams . . . the guys fastened to burried



W6HSC—Mort Smith—"Tuning 'er Up."
Photo by Dennechaud

W6PKA — Carl Lorenz ex
W2FE—"His Hollywood Lay-
out."



W6QED—Producer Hediger at
his receivers.

Photo by Dennechaud

deadmen (by Pickett) didn't break but the 2 by 4's buckled in the middle from the force of the wind . . . Another pole looks like a pretzel and will have to come down . . . Half the red clay tile on his roof were blown off too . . . And our friend Al Korb with the rotary four half waves will be off the air for

WASHINGTON

By S. E. NEWMAN

February 3 was the date, the place, Indian Spring Club, the occasion—the Third Annual Dance given by the Washington Chapter of ATE. As to the quality of entertainment, the fine



time had by all etc., words fail the writer. Suffice it to say that a jolly time was had by all. Several of the New York Television group present in Washington due to an official demonstration were guests of the local chapter.

WMAL Wins G. E. Plaque—Yowza and yowza, folks, our local Blue outlet, WMAL ran away with the annual G. E. award to the station having lost the least amount of time on the air for NBC owned and operated stations for the past year. To be more specific, four minutes and twenty-five seconds was the exact time lost during 1938. Presentation of the plaque is to be made shortly. Congratulations to Mr. H. A. Wadsworth, WMAL Station Engineer and his staff, namely Messrs. Fisher, Burg, Simmons and Rogers. Again, congratulations!

Washington sees Television—(Or should we say Television sees Washington) For the duration of approximately one week, the capital city recently was the scene of much activity and interest in a demonstration of Television by NBC. One of NBC's mobile units manned by several New York engineers headed by Mr. Shelby and Morris introduced official Washington to modern television. The demonstration was proclaimed a success by newspapers and officialdom alike. Congrats to Messrs. Shelby and Morris for a job well done.

Students victorious over Teacher—'Tis a short tale. The ancient game of the intelligensia, chess, having been introduced to the control room gang by Supervisor Ullman, his students promptly proceeded to show Dorsan a few pointers. Such is life.

Announcing the visit of the stork to Mr. and Mrs. R. W. Chapman, a girl, their first. Congratulations and thanks for the cigars, Bob. The occasion brings to light an incident which in it's own right is a classic. J. H. Hogan, of the Florida Hogans, a prospective papa, kept Chapman company during the ordeal, both pacing the floor until the arrival of Bob's first

born. It's the first time we ever heard of a "breaking-in period" for a father to be. You've got something there, John.

No longer will it be necessary for us to wonder how it feels to sit down to a one hundred dollar repast. For first hand information we now have access to A. E. Johnson, Washington Engineer-in-Charge, who attended the Jackson Day Dinner recently given by the Democratic Party. We also are curious as to how a Democratic dinner tastes to a staunch Republican?

Ham News—Godwin W3ANJ is about to do some real dxing with a new Premax rotary beam on 14 mc. Fugazzi is back on 7 mc after a long absence so look for W3CEJ. A lot of paper work is going on by rest of ham enthusiasts. Rogers moved to new QTH and says he now has nice big back yard but is wondering about landlady's attitude towards ham radio. Newman is collecting straps from strapless bathing suits and says it's more fun than pushing key or yapping into a mike. Yeah man!

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THE GAMUT**



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KFI - KECA

By H. M. McDonald

THE DINNER DANCE: The gayest social ever given here by radio engineers, and we do mean gay.

The event was scheduled to start at 8:30 but the large number of cocktail parties which preceded delayed the arrival of the majority until 9:30 or 10.

The Rendezvous, one of the most popular dine-dance spots in the city, had been completely rebuilt and redecorated since we last saw it and it was really sumptuous this night.

We were astonished to see almost every man wearing a dinner jacket; it had been predicted that only one man in four would go formal; and the ladies were positively glamorous; many of them would outshine a lot of movie stars we have seen at premieres. Executives and notables everywhere, letting go and having a swell time; San Francisco delegation of about a dozen at Saxton's table; CBS represented at another table, RCA at another.

The floor and the music were excellent. Bob Keith and his boys sure "gave" and the floor was crowded every dance. To them should go a good portion of the credit for the success of the evening. We saw Don Gilman, Bill Beltz, Ken Carpenter, Clyde Scott, Headley Blatterman, Curtis Mason, on the floor almost every dance, doing rhumbas, Lambeth walks and all. Here and there we saw Lew Frost, Don Wilson, Curtis Peck, Carleton Morse, and the cast of One Man's Family, and a half a hundred more we can't recall now, and a hundred more whom we did not know. The crowd was far to large and the evening to short to meet everyone.

With all the Leica-Zecca-Contax-Rolleiflex-Speed Graphic (ad infinitum) addicts present we expected to be blinded with flashlights, but strangely not a picture was taken all evening, and what a wealth of material there was, not excepting the mural pictures. And speaking of the mural paintings we overheard "Why, hello Bill. I didn't know you were here. Where are you sitting?" To which Bill replied "Right over there by the four nudes." We almost choked on our consomme as we whirled, pop-eyed, only to see the immodest maidens in soft colors on the wall.

During that part of the party which was broadcast Dick Stoddart was presented with a medal for the most outstanding accomplishment in radio during the past year. He did very well with his acceptance speech though he was a little nervous probably due to the hilarity from the edges of the crowd which had just finished a dance and did not know that the presentation was being made, the p. a. system being off. We saw him on the floor a number of times before we knew who he was and noted his friendly smile, smooth dancing and lovely lady.

Shep Fields with his entire orchestra took over about 1:00 o'clock and thrilled the high steppers with his rippling rhythms until the blue laws ended the party at 2. No dancing nor liquor after 2 a. m. here. They turned the lights off at 2:30 or we would have been there yet, and that's the best measure of a parties success, the time the crowd goes home.

We congratulate the Committee, Joe Kay, Bob Brooke and Ray Ferguson, who regimented the thousand and one details necessary to such an event. It was the most successful ever tossed here. We had a wonderful time and are looking forward to next year's dance.

HAM STUFF: Among KFI-KECA men are some of the most active and outstanding "hams" in the West. Yet when we try to get pictures and articles for the ham issue the results are almost nil. "Too busy" to snap a picture or describe their

layouts. "Ise regusted." Here are a few odds and ends:

Christensen, 6KLU, TE, was heard recently working Harry Lindgren, 6CJ, ex-KFI, now with Paramount Pictures, while Lindgren was on location making "Union Pacific" up in Utah. He had his portable rig set up on a flat car in a moving train and had to quit the QSO to get something on the sound track of the picture. Kenny Isbell, 6BOQ, ex-KFI, now KEHE, was also heard working 6CJ on location. Chris's wife has been bitten by the bug and is learning the code with a view to getting a ham license.

Alexander, 6KIP, SE, is putting up an 8JK antenna.

Ray Moore, 6ARX, ME, is talking of putting an Eimac 35T on 112MC using a line controlled oscillator and wants to contact anyone interested in that frequency.

Ray Walling, 60MN, TE, inactive at present because of special USNR duty with CCC in New Mexico, expects to return soon and will again be on the air.

Tales, tall and otherwise, of what is being done around 14 and 28 MC has brought many old timers to life again. Station managers and other executives who have not touched a key for ten or fifteen years have taken out licenses and are back on the air. Harrison Holliday, 6BJ, manager of KFI-KECA is on again after an absence of many years. Likewise Cal Smith, 6BRD, and Ben McGlashan, 6GY, who never quit but is unusually active and is pioneering in ultra short wave broadcasting in the West with 6XKG on 25950 and 6XRE on 120MC, and many at CBS are again active.

There are a large number of hams at the RCA plant, RKO, Fox, MGM, Paramount and almost every sound man at Disneys.

Much interest in the 28MC converter described in December "Radio" and in the mobile transmitter described in the January issue. Those who have installed them report marvelous results.

TWICE WRONG: In the item "Double Double Trouble" in January issue we said Grand Island had found him out of the band at 14900 kc. "Pop" very indignantly reports it should have read 14400.9 kc. and very jubilantly reports that the manufacturer replaced that burned up 20 tube receiver with a brand new like set, free, gratis, for nothing and without a squawk. In view of the fact that the guarantee had expired, we call that darned white.

LET LAWRENCE DO IT: Hal Cooper, ex-KFI, now with General Service Studios (ERPI) in Hollywood, gives us a buzz to inquire the whereabouts of any operator interested in a job in Arabia at \$300 per month. "Serious money" that. Arabia serious miles away though. Understand government there had to resort to radio telegraph because natives repeatedly pulled down the telegraph line. With no telegraph lines to raze they might turn to radio stations. Guess we'll stay here and "be sure to listen in again tomorrow for another episode in the lives, etc." It's about six of one and half a dozen of the other though.

BABY PARADE: Cigars are being passed again, this time by Curtis Mason, our latest proud papa, and it's a big bouncing BOY, not a girl as reported in the press. Three babies in a week in the organization and seven since our recent series of broadcasts titled "Maternity Discussions" and three more scheduled for the near future, babies, not broadcasts. If the epidemic doesn't end soon we'll all have "tobacco heart."

continued on page 27

NEW YORK

continued from page 11

We ask Vince Barker, W2KBA, Empire State Television, for an up-to-date article on his rig, to which he answered that we could print the same one he wrote for the 1938 Ham Edition



as he hadn't changed it much. We did dig up the cut of 2KBA and also a picture of Vince taken by Leroy Moffett while the two were on a fishing expedition off Long Island.

Clocks, Clocks, Clocks. Those necessary instruments of NBC are in the news again. It happened like this. While checking the broadcast clocks one night, a certain young man found that two or three clocks were out by exactly the same amount. Thinking that his chronometer might have gone astray, he decided to double-check the chronometer time against the Telephone Company time. Dialing the NBC operator, he asked to be connected with Meridian-7-1212, the telephone time station. "What do you want, the time?" asked the NBC operator. "It is two minutes after six." "Sorry," said the young man, "but I still want the correct time." "Oh, all right" was the answer. "You don't have to take my word for it."

Since R. O. Brooke has taken to answering comments, we feel a few kickbacks from New York would not be amiss. SUN—What is this hokum about fine weather in California? We can still read the weather charts here in New York and we note that SNOW fell in Hollywood recently. It is also a well known fact that when a certain New York Engineer comes to Hollywood, he always seems to arrive in the RAIN. Brooke says that Jake got the flu because he was a newcomer. We're just the least bit skeptical! GOLF—It is reported that H. E. Meyer is practicing golf in the garage these days in order to get into form to take over Brooke. Meyer says Brooke talks a good game! EDITORIAL COMMENT—The Journal Staff wishes to know why Hollywood sends in material that they can't print. It seems that nice thick copy comes through for the Journal and telegrams follow asking the Staff to "jerk" this and cut that. It's pretty tough when one's conscience bothers one! Personnels—Rodney Chipp, NYSE, has just been transferred to Television—As mentioned elsewhere in the New York page, we note the addition of "Shorty" Carson and Klaus Lansberg to Television.

ODDITIES—Hendrik Willem Van Loon adds a personal touch to all his programs. It seems that Mr. Van Loon brings three pen sketched cards to the studio. The cards are numbered 1, 2, and 3. While the program is on the air, the production man in charge gives Van Loon the card marked 3. This indicates that there is still three minutes before the end of the program. At the two minute period, the second card is handed to Mr. Van Loon and at one minute before the end of the program time, the third and last card is handed to Van Loon. At the conclusion of the program, the cards are autographed and given away. The demand is heavy but the supply is limited! It is reported that a certain young man in New York has his relatives living with him. Thinking that his father-in-law had nothing to do, he asked him to drill a number of vent holes in the top of a radiator cabinet. The father-in-law said he would do the job but came back next day with the comment that he figured there were 8,000 holes to be drilled. I'll go on WPA first shouted the old man! CHANGES—The old elevated on 6th Avenue is being rapidly dismantled. Much of the steel structure is now down and daylight has begun to appear. Many things have been found in the old structure and it is reported that \$50.00 in coins were found beneath the floor boards at the 50th Street and 7th Avenue station. The new building in Radio City has begun to rise from the cavity in the earth. Speculation on how to get steamshovels from the hole was finally satisfied when two huge derricks raised the shovels to the street level. It was not a case of building a boat in the cellar that time!

From a Letter to Henry:

"While reading about Mr. Headlee L. Bletterman in the Christmas issue and his connection with the Radio phone service between Los Angeles and Catalina Island, brought to mind an incident I experienced in connection with the inception of radio broadcast. While strolling along the beach of Venice, California, during the summer of 1922, I noticed a cripple who apparently made his living as a vender. Along with the various articles he was selling he was also selling air time as it were. That is, he had a small crystal radio set, and for the price of .10 you could listen in ear-phones for a few minutes. Surprising the number of people who satisfied their curiosity. (including yours truly) When I put on the ear-phones, I could only hear the telephone operator saying, "Calling Catalina, Calling Catalina," etc. I had heard of radio phone service being in use between Los Angeles and the Island, but up to that day I had not experienced hearing the sound of human voice from the thin air. No doubt Mr. Bletterman was with the Radio-phone Company at the time. Since then I have always maintained a deep interest in radio." Signed, J. J. Palermo. (Mr. Palermo is a Journal reader with the Rochester Gas and Electric Company.)

Meyer Eng. NY Rush . . .

Desire present Stoddart Veteran Wireless Award ATE Dinner Dance here tomorrow night. PLS contact George H. Clark RCA have him confirm award and wire MSG for ANNCMT at party. Rush reply

BROOKE

Brooke NBC Hollywood . . .

Please deliver following message to Master Ceremonies ATE Dinner, February Eleventh Stop Veteran Wireless Operators' Association at its 14th Annual Cruise presents its Marconi Men Scroll of Honor to Richard Stoddard for his meritorious services in connection with the round the world cruise of Howard Hughes Stop Best regards from one dinner dance to the other Stop McGonigle, President VWOA unquote. Best regards.

MEYER

CLEVELAND

By W. C. Pruitt

S. E. Leonard, engineer in charge, WTAM, was invited to address a recent general get-together of the Cleveland Chapter. Thanks Mr. Leonard for attending our gab-fest.

H. V. Brandt (TE) was unanimously re-elected secretary-treasurer of the local chapter for 1939. Brandt has been doing an excellent job during the past year, so he was burdened with the job for another.

And here is a word of thanks to H. B. Caskey, retiring chairman of our chapter. Caskey who has been doing an excellent job during the past two years, decided two years straight running was plenty. Good work, Harry.

T. C. Cox (SE) who moved into a new home during the summer has been trying various types of heating and has gone back to stoker operation. Of course he favors automatic heat in some form, as it gives him more time for amateur work.

F. C. Everett (TE) stopped in a few minutes to say hello, couldn't talk him into sticking around for a rag-chew as he was on the way to an I. R. E. meeting.

Advised that there was quite a large turnout of WTAM engineers at the above mentioned I. R. E. meeting, and that S. E. Leonard was elected chairman for 1939. Congratulations.

When Brandt (TE) was asked if there was any news from the transmitter for this issue, he said "well it snowed out here today, but—that isn't news." Not in view of the snowstorm which hit the rest of the country last night and today.

Disbrow, Caskey, Makinson, and Whittam alternate sitting in on the network schedules. Definite scheduling impossible due to shifting work schedule.

Caskey reports working W9WC Chicago, who has been working "Amos" W6QUT. W9WC reports W6QUT working on 10 meters fone every week day from 10-11 A. M. and 2 to 4 P. M. CST. Working near the 10 meter mult of the net freq and interested in working NBC hams.

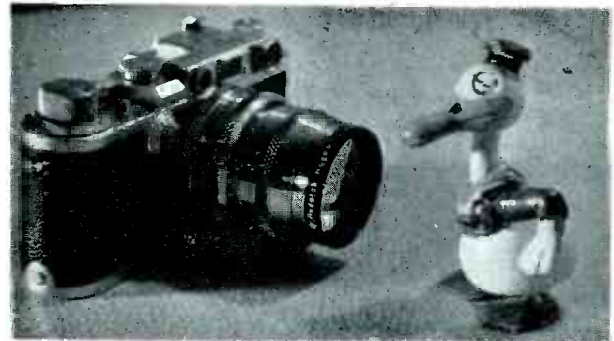
A tip—To owners of rack mounted jobs and oversize radio consoles. Wittam and Caskey have the bases of their transmitters equipped with rubber tired castors, which makes moving of equipment easier and definitely promotes good will with the wife, due to fewer scratches in the hardwood floors. Both boys have moved the ham rig up from the basement since installing. And they only cost about a dime each.



A Radio Man's Hobby may be Radio . . .

That is . . . to a certain extent . . . You know, of course that we are a radio store . . . catering to the needs of radio men . . . to you, yourself. But let's not go into that. What we really want to say is that another hobby has really gripped the boys.

CAMERA



. . . The old store doesn't look the same any more since Radio men have adopted this popular indoor and outdoor hobby that is sweeping the country.

. . . We're no snobs . . . and we're in business to serve our thousands of radio customers . . . If you want CAMERAS . . . by gum, we'll sell you CAMERAS . . . We've got 'em in our new Camera Department . . . plenty of 'em . . . all kinds of 'em . . . accessories, too . . .

Come in and join the party . . . we're ready to talk "trade-in" on CAMERA or RADIO.

OUR *Best* VALUE IS OUR RECORD OF LOYAL SERVICE

HARVEY

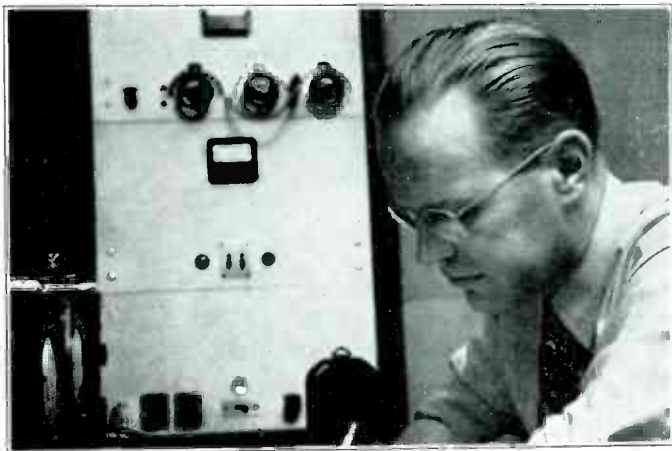
Radio Company of New York

103 WEST 43rd STREET • NEW YORK, N. Y.

KOA, DENVER

continued from page 13

Al Slusser, W9BCW, is out of the ham game again. Young Al swapped everything for a cream colored 1930 Chev Sport roadster! Sluss says Al, Jr., who holds a limited pilot's license and just graduated from high school, has the old bus running like a top and will use it for transportation when he goes to college. Hi, gals!



Russ Thompson, Denver Chapter Chairman, with his rig, W9QKW.

Harold Austin, W9PI, is building a conc. fed vertical dipole for 10 meters. Nice job Auzzie. Transmission line specifications tentatively call for fiber glass insulation around No. 12 wire pulled through 3/8" copper tubing. The antenna is made of 3/4" copper tubing and mechanically is an excellent job.

Austin is very proud of a new Smith and Wesson .357 Magnum revolver, and after shooting a match with Roy Fell who sports a Colt .38 Super, he is going to try to better the score with San Fran. Roy was going to slicker Auzzie on a bet involving a box of ammunition on a match with 10 shots at a 50 yard target. He knew the sights on the Magnum were set for 20 yards and hoped Austin wouldn't discover it until it was well under way. More on this later.

Frank Nelson, W9CZR, is disproving the necessity of super selectivity and twenty tubes in a ham receiver with his battery operated regenerative det. and two stages of audio. It uses type 30's and brings all of them in good and loud with the 4 element 8JK beam for receiving. His consistent dx reports verify the practicability of such a simple rig eves in this day of congested bands. The rig does very well on low power on ten and twenty—both cw and phone.

Glen Glasscock, W9FA, our Rocky Mountain Division director, ATE representative, Commander of Sect. 8, 12th Naval District, U. S. Naval Reserve, etc., etc., is rebuilding the final stage of his rig for the high frequencies. The 860's are to be replaced with 150 T's and there is also some discussion of antenna changes. Glen says the new HRO is fb and with a voltage regulated power supply it is steady as a rock.

The W9FKQ—W9DSD common antenna arrangement must be o. k. because both families are still on friendly terms and if the landlord doesn't raise the rent, they probably will continue.

Two 4 element 8JK beams for two directions are used, switching being accomplished by a relay in a box on a transmission line pole. Transmission line runs past both houses.

Bill Williams, W9UXZ, is actually building a rig. He says it will be for five and ten, be portable and will use a rotary beam. We expect him to get this one finished because he seems to really mean business this time. Congratulations Bill!

Mr. Perregrine, Engineer in charge, has mentioned that he will soon put up a new antenna pole. Maybe that means that he will get a ham rig on the air soon. Perry won't commit himself, he says skiing is too expensive a hobby and the budget won't permit going into the ham business right now. He is taking quite an active interest in the ATE net and is usually sitting in on the schedule at one of the active hams homes.



Jake Van Dyck catching the KOA calf last year. The calf brought enough money this year to send Jake to college for a semester — something which would have been impossible had he not won the calf.

KVOA JOINS NBC

A salute to Station KVOA, Tucson, Arizona, on the occasion of its joining the National Broadcasting Company networks as the 168th affiliated station of the company, was heard over the NBC-Blue Network on Sunday, February 5.

Addresses by three ranking Congressmen of Arizona—Senators Henry F. Ashurst and Carl Hayden and Representative John R. Murdock—speaking from Washington, D. C.; a musical salute by the NBC Concert Orchestra, conducted by Josef Honti, and selections by Thomas Thomas, Metropolitan Opera baritone, from the NBC Radio City studios; and songs by the University of Arizona Glee Club made up the broadcast.

The University Glee Club sang in Tucson's famous San Xavier del Bac Mission, which was built in 1700.

Station KVOA, owned by the Arizona Broadcasting Company, Inc., operates full time on a frequency of 1260 kilocycles and 1000 watts power.

ON THE GO WITH KGO

"Ye Scribe"

Since this is to be for the ham issue will confine my remarks to ham doings. Of the four licensed calls at KGO, all are active. We believe this should be a record.

Jimmy Ball, W6ACX, is doing well with his pair of RCA 808's. He doesn't go in for DX but enjoys a snappy QSO now and then to remind him of his days at KFS. Jim has a left handed bug that gave Ye Scribe the jumps. Did you ever walk up to a bug, hit it and have the dot side make dashes and vice-versa before you realized what it was? Jeepers, creepers!

Henry Dunton, W6CRO, having finally gotten going is really going to town. Right now he is running around 150 watts on a poor little defenseless RCA 809 and having good luck. By the time this sees print, he should be on the air with a pair of RCA 810's with a full KW. Then watch the DX cards pour in.

Al Eldredge, W6JJ, is just about straightened around with his new final using a pair of RCA 810's. Had special wiring run in from the pole to take care of the additional power. When you hear a W6 calling CQ on 20 fone with a "down East" accent that you could cut with a knife, give Al a buzz. It will be an enjoyable QSO.

Ye Scribe, W6PHS, is blasting the ether with his pair of RCA 813's. He is having a hard time convincing the West Coast lads that beam power tubes are "the nertz," and that carbon plates rank up with tantalum but he is still fighting. He misses his skeds with W2KBA and W2ARB. How about it, Vin?

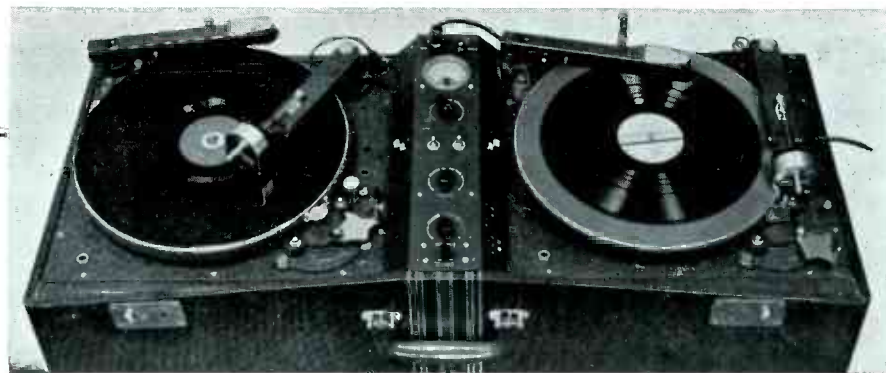
As for the rest of the gang, we are still working on them and hope to have KGO 100% ham active before 1940. Aub Fisher is our next victim but we will have to find a good red-head exterminator first. Our esteemed councilman, George Irwin, has a tough beard indeed but we will get him shaven yet. A lovely baby daughter (took first steps alone the other day!) replaces ham DX very well for George. Myron Case is spending the week-ends up in the snow and has taken up skiing and ice skating in a big way.

What say we make the month of April an ALL ATE QSO month? Should be lots of interesting rag chews what with DX contest results, vacation plans, new rigs, et cetera. 73 fm KGO!

FOR SALE—Complete station W6PHS as described in January issue of ATE Journal. Will sell for cost of parts alone. 100% guaranteed. Name your own terms. If interested write W6PHS. (QRA in books).

New PRESTO Recorder

Write for folder giving full description of the Presto Model M Recorder and its many uses.



Adds Sound to Home Movies

With this new Presto Model M Recorder you can record sound as you take your home movies — then reproduce the sound as the picture is projected. Two 12", dual speed (78 and 33-1/3 RPM) turntables enable you to record and play back records continuously, without interruption. The amplifier has a two position mixer to permit recording simultaneously from two microphones or to dub in background music and sound effects with the voice of the commentator. The entire equipment is mounted in a single carrying case which measures 10" x 15" x 35" and weighs 62 lbs.

PRESTO RECORDING CORP.

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NEW YORK, N. Y.

CLEVELAND

F. E. Whittam uses cooperative antenna pole with Caskey who lives across street. They both report R-7 signals from each other. Both are worried about flash over between antennas. Whittam says if Caskey goes on phone, he will do the same for protection.

Grant Makinson uses plate modulation—close spaced director—rotary beam—DX excellent recently. Listed WAZ honor roll. Hours daily but irregularly due to working schedule. One full day per week devoted to "hamming"—expects to have 1 kw on air soon.

A. G. Stewart is still working on a job which will be the last word in Ham transmitters when and if completed. He gets on the air occasionally via friends' transmitters.

T. C. Cox's equipment consists of 53 osc doubler, 807 buffer working into pushpull final. Plate modulation. Single section "JK" beak. On air daily at irregular hours.

J. F. Hackett has 805 p. p. final. Will be on air again by the time this issue comes out. Has been off few weeks due to

moving. Reports antenna fax will be much improved. Recently accused of BCL interference, after his rig was dismantled for moving. Did a little sleuthing for the neighbors and found trouble to be a couple of unlicensed youngsters across street. Explained some of the laws pertaining to radio to them. No further interference.

J. A. Cheeks says equipment mounted on one relay rack. Commercial looking job. New communications receiver. Occasionally works network frequency sharing crystal with Makinson or vice versa. Expects to be on with phone in near future.

A. F. R. A. SCHEDULE

Actors: 15 minutes or less \$15.00 with rebroadcast fee of \$10.00. 16 to 30 minutes \$25.00 with rebroadcast fee of \$12.50. 31 to 60 minutes \$35.00 with rebroadcast fee of \$17.50. Rehearsals: \$6.00 per hour first hour required.

Announcers: Same as actors.

Singers: This scale varies over four divisions: (1) Nine or more voices; (2) five to eight voices; (3) two to four voices and (4) single voice. 15 minute rate (1) \$14.00; (2) \$24.00; (3) \$30.00, and (4) \$40.00.

NBC HAM CALLS AT A GLANCE

W2AK	W2EGD	W6ADI	W9FQ
W2EP	W2FED	K6CFZ	N9FQ
W2IP	W2GSY	N6CFQ	W9GG
W2JJ	W2HAT	W6CRO	W9GN
W2KP	W2HEJ	W6DOB	W9GY
W2LV	W2HIO	W6DZP	W9KF
W2SJ	W2HZO	W6GIS	W9MV
W2VI	W2IHI	W6GVE	W9WC
W2VY	W2INB	ex	W9WS
W2ZA	W2IPG	W9CH	W9AFA
W2ABD	W2IOX	W6HSC	W9BGI
W2ADL	W2IUU	W6KIP	W9CIU
W2AEB	W2JDZ	W6KLM	W9CQI
W2AID	W2JRY	W6KLU	W9CTN
W2AKQ	W2KDF	W6LXS	W9DBT
W2ALB	W2KBA	W6NAD	W9DEJ
W2AMG	W2LPK	W6OSH	W9DQM
W2AMQ	W2LXR	ex	W9IAH
W2AMS	W2XEJ	W2CGO	W9KQS
W2ARB	W2XER	W6PHS	W9IWV
W2AUR	W3HN	W6PKA	W9IVD
W2AWU	W3ANJ	ex	W9IHY
W2BIH	W3AOH	W2FE	W9JIR
W2BNL	W3BST	W6QED	W9LEP
W2BRR	W3CEJ	ex	W9NBI
W2BWT	W3CKH	W9FK	W9QXD
W2BXY	W3ESL	W8FP	W9RDE
W2CEF	W3HAP	W8RU	W9RUK
W2CHG	W3HIH	W8DBC	W9SBC
W2CRA	W6BH	W8DHF	W9SGM
W2CSX	W6DO	W8GLX	W9TPJ
W2CUZ	W6IY	W8GTG	W9VNW
and	W6IX	W8LEX	W9WRB
W2XEJ	W6JD	W8LJM	N9FA
and	W6JJ	W8LLG	W9PI
W2XER	W6KM	W3QVC	HX12B
W2DCB	W6KO	W9AL	W9CZR
W2DEL	N6KO	W9AT	W9DSD
W2DHA	W6MY	W9BG	W9EYN
W2DIT	W6SQ	W9BU	W9FKQ
W2DWS	W6VH	W9CP	W9QKW
W2DZR	W6ACX	W9DQ	W9UXZ

Fred Allen Two Years More On NBC

Fred Allen, radio's greatest wit, has been signed to a new contract that will keep him on the air two years more as star of the Town Hall Tonight series. The new contract will go into effect in the fall of 1939 and run until the end of June, 1941.

The shows will continue as full hour features Wednesdays at 9:00 p. m., EST, over the NBC-Red Network under the sponsorship of the Bristol-Myers Company. Fred will take his usual three-months' summer vacations. The new contract was signed on Portland Hoffa's (Mrs. Allen) birthday, January 25.

The drawing comedian, stepping from Broadway stage successes, launched his microphone career in October, 1932. Shortly after the program started, Fred's microphone partner Portland stepped to the front with a disarming "Hell-o, Mr. Allen" to begin a bit of heckling which has continued ever since.

A year later Mr. Allen jumped into a new comedy review, another half hour series. In 1934, the lanky Yankee comedian started under the present sponsorship of Ipana and Sal Hepatica, expanded his program to a full sixty minutes and called it Town Hall Tonight.

By the end of his new contract, Fred will have completed nine years of broadcasting, rounding out a long career in the entertainment world which he began as a youthful juggler in amateur nights in vaudeville around Boston. After traveling over most of the English speaking world and slowly changing from the juggling of assorted articles to the verbal juggling of gags, the great Allen turned to Broadway and such hits as "The Little Show" and "Three's A Crowd." Since entering radio, Fred has added the cinema to his conquered worlds with two pictures, "Thanks a Million" and "Sally, Irene and Mary."

NBC Pioneers with Telefilm of "Gunga Din"

For the first time in motion picture history a special dramatic film is being prepared expressly for use in television broadcasting, through arrangements just completed between RKO-Radio Pictures and the National Broadcasting Company.

A television version is being made of RKO's "Gunga Din," starring Cary Grant, Victor McLaglen, Douglas Fairbanks, Jr. The television condensation will be approximately 1,000 feet in length and will run about nine or ten minutes. The film will be composed of close-up and medium close-up scenes. Gaps in the action will be bridged by subtitles and sound, and the entire film will be dubbed with special sound.

After conferring with National Broadcasting Company television experts, plans were made to adapt "Gunga Din" as a vehicle perfectly suited to the new medium. In addition to high contrast of scenes photographed in sunlight, a special acid solution and optical printer is expected to give the print clarity and fidelity. The film will be specially edited by Henry Berman who handled the picture itself.

Special effort will be made to finish the picture this month for shipment to NBC television engineers in New York, where it will be put through exhaustive tests. It will be televised generally when the NBC telecast schedule opens.

"This special version of 'Gunga Din' is a 'ground breaker,'" says Pandro S. Berman, in charge of production of the condensation. "Confident that television eventually will employ studio output generally, I feel certain that 'Gunga Din' will go down in history as a pioneer."

We're Like An ASPIRIN

How often do you run into a problem that's a real "Headache" to you because you can't find some much needed part?

Well, don't let it bother you at all because SUN RADIO is used to curing "Headaches". Engineers, Amateurs, Technicians, Experimenters know from long experience that the Dependable Service that SUN renders cannot be measured in dollars and cents.

The next time you have a "Headache", just reach for a phone, call BARclay 7-7647, describe the symptoms and we'll not only prescribe the remedy but provide the cure.



Get acquainted with the money-saving advantages of our large volume, minimum-overhead plan, permitting you to realize substantial economies on whatever you will buy for the home, the office or person. LET US PROVE TO YOU that we can and WILL save you REAL money . . . Phone or write . . . better yet, visit our showroom and be convinced that WHOLESALE MASTERS can supply your requirements for less than you'd expect to pay.

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SAN FRANCISCO

By Tad Fullaway

Congratulations to Hollywood ATE on their first annual dance. San Franciscans Fullaway, Peck and Mrs. Peck, Sugg and Mrs. Sugg, Announcer Cliff Engle and Mrs. Engle, and Traffic Fuerst are going south to pass judgment on the dance, to have a look-see at the new studios, and to say hello to the gang. Hope Hollywood will do the same when S. F. gives their next affair.

Old Man Trouble visited San Francisco during December and January hitting first Berg, and then in rapid succession Bowen and members of Greaves and O'Neils families. Berg has recovered from his appendectomy and is now back at his desk but Bowen was forced to take a leave of absence. Here's hoping for speedy recoveries.

A story of the "first" trans-bay commuter train appears elsewhere in this issue. Another "first" from San Francisco was the flight and arrival at Treasure Island of the first of Pan American Airways new Boeing seventy-four passenger Clipper ships. Still another "first" was broadcast Sunday, February 5, 1939 by San Francisco Field and Special Events who covered the first scheduled Clipper trans-Pacific flight out of Pan American Airways new Pacific Base Number One located on the shores of the "Port of the Trade Winds" on Treasure Island.

Engineers Williams and Callahan set up a ND-10 field amplifier with one junior velocity mike in the passengers' waiting room and a 50-A velocity on a long cord that could be carried from the waiting room along the passengers' runway and ramp down to the "CHINA CLIPPER." Announcer Cliff Engle went on the air with an interview of Captain Culbertson, commanding officer of the "CHINA CLIPPER" followed immediately by an interview of Mr. and Mrs. Fred Haddon of Midway Island who were returning to Midway on their honeymoon. While still in the waiting room W. B. Courtney, well known correspondent and associate editor of Collier's, who is on his way to his second visit to the Sino-Japanese war, was brought to the mike. As "All aboard" was called, Engle and Courtney shifted to the other mike and carried on their conversation down the runway to the plane. The fifteen minute show closed just as the lines were cast off—swell timing on the part of both NBC and PAA.

Prior to the broadcast Fullaway, Callahan, and Williams made good use of their spare time in inspecting the new 72 passenger Clipper ship, the arrival of which was put on the air some few days ago. Of special interest to Fullaway was the fact that passenger Haddon was an old friend—and the fact that Haddon promised to call Fullaway's family the next morning in Honolulu and convey an aloha. Here's hoping pictures taken by Callahan and Fullaway turn out so they can be published in the Journal.

While speaking of "firsts"—on deck is the start of the first 1939 World's Fair in the opening of the San Francisco Exposition on Treasure Island, February eighteenth. Rumor has it that NBC will originate fifteen hours of programs for local and network release on that day. If true all hands will be on the job.

January eighteenth, NBC San Francisco, originated and fed to all fourteen stations in the Bay area a program whose theme was "One month to the opening of the fair." Stations KPO, KGO, KSFO, KFRC, KYA, KROW, KLS, KLX, KRE, KQW, KJBS, KSAN, KWG, and KFBK took the thirty minute show which came from the studios and from Treasure Island. Program featured prominent speakers, interview of carpenters on Treasure Island, and musical numbers by NBC staff band led by musical directors of NBC, Mutual, and Columbia. Hook-up was ar-

ranged by Jack Lyman of the Expo, formerly a producer with NBC, San Francisco. Bay listeners had no choice but to listen or tune distant stations.

The twenty kw. high frequency transmitter on Treasure Island, mentioned last month is rapidly being completed. Mr. H. G. Towlson of GE Schenectady, in charge of installation, has promised to write an article on the transmitter for a future issue of the Journal. Original to be twenty-three feet long, the transmitter is now thirty-seven feet long. Like "Topsy" it just grew and grew. So far power has never been applied. Transmitter will set flush with wall, being protected from public by only a waist high rail. To protect the public all panels and controls are at ground potential. To get into transmitter through the door, large switch has to be thrown which will cut all primary power and short high voltage leads. Ingenious use of dissipated heat will be made—to heat entire General Electric exhibit. Across aisle will be "fish-bowl" booth housing turntable, announcer, and input equipment. More of this later.

Under the same roof and just adjacent to the GE high frequency transmitter is the RCA-NBC exhibit, housed in its own streamlined quarters.



A complete demonstration of television scanning and reception will be shown to visitors at the San Francisco World's Fair by the Radio Corporation of America. The new art will be shown in this exhibit, a complete Structure set up under the roof of the Electrical and Communications building.

In this unique building within a building, the scientific marvel of the modern age—television—will be demonstrated by the Radio Corporation of America to the crowds thronging the San Francisco World's Fair.

The exhibit will be housed in a complete structure of its own, occupying approximately 25,000 square feet of floor space under the roof of the Electrical and Communications building near the main entrance to the Exposition on Treasure Island.

Half of the space will be occupied by the television equipment, together with a demonstration of radio facsimile and exhibits of broadcasting equipment, marine radio devices and many other important services of the radio art. The other half will be furnished as a large, comfortable lounge in which visitors may rest while listening to recorded music and viewing interesting murals and photographs of the radio industry.

Thousands of people daily will pass in front of the television camera, the operation of which will be explained to them by guides. Proceeding to another part of the exhibit, visitors will see televised images as they appear on the kinescope tubes in

RCA home television receivers. Large photographs and drawings will show details of the complete television system and circuits.

The novel building in which these and other marvels of radio will be shown, is ultra-modern in design and construction. It was planned by John Vassos, noted industrial stylist. Its chrome, white and silver trim, set off by the green and blue tints of the glass brick which form part of the walls, makes it one of the most striking exhibits at the Exposition.

ODDS AND ENDS . . . Kilgore and wife to Yosemite over the week-end to enjoy the snow . . . Could have stayed home and done the same thing for San Francisco had light snow and hail flurry one afternoon that left all roof-tops white. As soon as snow started everyone called Sugg asking if he had brought his skis to work . . . Sugg the proud owner of a Sealy pup—so is seen with nose in all the books on dog care . . . Summers spends over dollar and half a day for smokes. Usually smokes cigars the chain way—one right after the other. Every now and then decides to cut down on smoking so buys can of tobacco, carefully dating can at purchase. Next day is smoking cigars again and can of tobacco turns up weeks later in some corner where he has hidden it. Summers also carefully gets his car out of the garage every morning to come to work. Drives three blocks and parks it in another rented garage, walks across the street and catches commuter train to office . . . San Francisco engineering virtually one hundred percent members of "Behind Eight Ball Club." Surprising the inquiries the little lapel buttons bring forth . . . Sanders seen taking home old lead sheathing left by fone company on installation job. Says it is to weight cars on his mini-train to give more traction and stability on high speed operation . . . Morrison completed moving and back on air with his high power fone . . . Andresen really going in for movies. Just purchased new projector and screen . . . Watson also talking movies and around with his pockets full of circulars and descriptions of various makes . . . Recording Engineer O'Neil getting cross-eyed from watching recording tables spin eight hours a day. Untangles his eyes by running playback in reverse . . . Sugg and Greaves, after years of effort, have finally got Berg spending more than fifteen cents for his lunch . . . Marion Hansen's wedding tentatively set for September . . . Certain members of San Francisco control room group, along with majority of city's males, growing beards, as theme of fair opening features "Days of '49." Cassidy has a fine vari-colored one—too bad he can't grow it on the top of his head . . . Parkhurst came out with red ribbon in class on his chow pup at the Golden Gate dog show. Now grooming pup for International show on Treasure Island . . . Williams building equipment for Sound Effects department . . . Rothery getting set to move into his new home.



C. F. Rothery's home under construction

NBC to cover U.S. Visit of England Rulers

All important events during the visit of King George and Queen Elizabeth of England, in Canada and the United States from May 15 to June 15, will be heard over networks of the National Broadcasting Company and the Canadian Broadcasting Corporation.

The visit of England's king and queen to the United States sets a precedent in British history. It will be the first time a reigning British king and queen have visited this country.

Their Majesties are expected to be heard over National Broadcasting Company networks on May 15 from Quebec.

From there they will travel in easy stages to Niagara Falls, arriving on June 7. These stop-overs will be described to the radio audience by NBC commentators.

From June 8 through June 11 the Royal couple will be in the United States. Most of King George's and Queen Elizabeth's three days in the United States will be spent in Washington, and the King and President Roosevelt are expected to hold several conferences. All broadcasts King George makes during his Washington visit will be heard over networks of the National Broadcasting Company. Their Majesties will return to Canada again on June 12, and will depart for England from Halifax on June 15.

This visit of King George and Queen Elizabeth to Canada and the United States will mark the first time in history that all British subjects will be able to keep in constant touch with their King and Queen while their Majesties are travelling, since NBC and CBC will short wave the royal journey all over the British Empire.

Microphonics Here and There

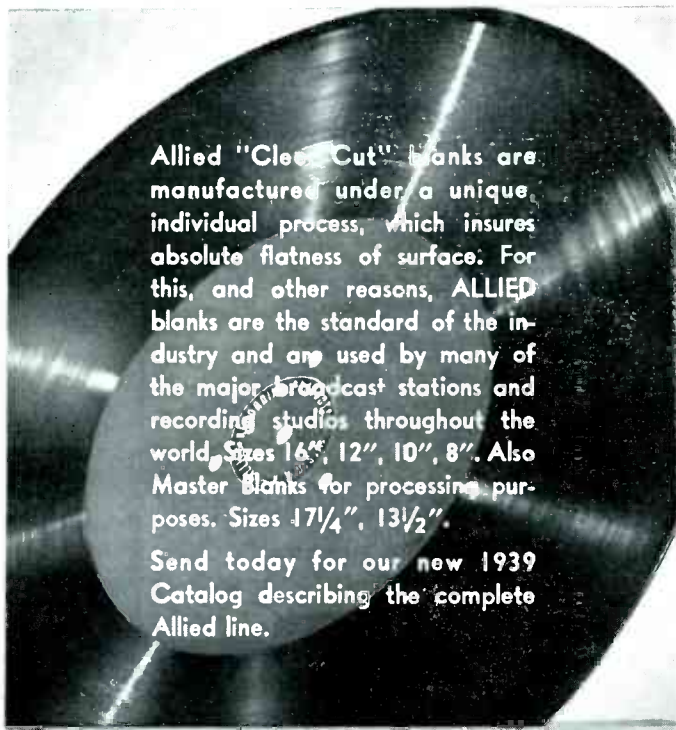
John Kieran's nose isn't always buried in books. The expert on NBC's Information Please program gets in at least one hour a day, every day in the year, walking through woods and swamps to study flora and fauna. As an expert on such matters he is a member of the Linnaean Society of the American Museum of Natural History, and has been since 1914. He also spends a lot of time in art galleries, and shows a further love for art by playing the accordion "badly but persistently."

Ruth Yorke, who plays Jane Arden, the ace girl reporter in the NBC serial of the same title, once turned down a chance to become a real-life newspaper woman. While attending a Max Reinhardt drama seminar in Vienna, she refused a job as foreign correspondent for an American newspaper in order to continue her dramatic training.

Edwin Wolfe, director of NBC's Pepper Young's Family, is also an ace script writer. He recently adapted Schiller's "Mary Stuart" for NBC's Great Plays series.

"One Night in Bombay," the theme song of Joe Rines, NBC dance band conductor, was written on the back of a movie program from the inspiration of a Fitzpatrick travelogue.

"A song is composed of two separate parts, words and music, and both are vitally necessary to the understanding of the complete work. To get complete enjoyment from the singing, the audience must understand the words, too."—Richard Crooks, tenor on NBC's Voice of Firestone Concerts.



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A MODERN HAM RECEIVER



The new Hammerlund "HQ-120" is not only a thoroughly engineered short wave receiver, but is entirely different from the average run of commercial receivers. We will take the new crystal filter for example which is an entirely new development. It is a well-known fact that any receiver intended for short wave amateur, or communication use, must have a crystal filter in order to make it complete. The crystal filter in the "HQ-120" has a complete range; that is, selectivity is variable from maximum band width of the receiver to the usual razor-edge selectivity of ordinary crystal filters. The range of this crystal filter is divided in six steps including the "off" position. The first three ranges in the filter are suitable for phone reception. The remaining positions, four and five, are for high selectivity C. W. code reception. The advantage here lies in the fact that the selectivity of the filter can be adjusted to cope with existing conditions of interference, and the heterodynes which may exist from time to time during reception can be phased out completely without affecting the adjustment of the filter, as there is no interlocking in the controls. The design of this filter allows the phone man to enjoy the same privileges when using a crystal filter that CW men have had for several years.

It is a well-known fact that selectivity and sensitivity go hand in hand. One without the other is practically useless. In the "HQ-120" will be found extreme sensitivity. In actual tests signals of much less than one microvolt strength have been received with excellent volume. This very high degree of sensitivity with low background noise level, together with the very flexible operation of the crystal filter, provides a combination with unlimited possibilities insofar as weak signal reception is concerned even in crowded bands. Among the other important features in the "HQ-120" is to be found an antenna compensating device which can be adjusted to permit perfect circuit alignment regardless of the antenna employed. The result is maximum image suppression and maximum signal-to-noise ratio. The "HQ-120" also has a very efficient noise limiter which practically eliminates automobile ignition interference and the many other similar disturbances which are most bothersome at the higher frequencies.

There are 12 tubes in the "HQ-120" and it covers a range of from 31 to .54 megacycles (9.7 to 555 meters) thus taking in all the important short wave, broadcast, and amateur bands. The tuning condenser assembly has 15 sections—six of the main tuning, and nine for band spread. By using such a large number of condenser sections, it is possible to employ the proper tuning capacity in all bands, thus including the broadcast band in the receiver in no way jeopardizes its efficiency at higher frequencies. The amateur will be especially interested in the fact that the band spread dial is calibrated in megacycles for each of the four amateur bands from 80 to 10 meters inclusive, making it possible for the amateur to maintain a fairly accurate check on his own signal as well as the signal being received. Of course, the main tuning dial is also calibrated in megacycles throughout the entire range of the receiver.

For information regarding NBC Salary Deduction Insurance plan or any other insurance matter phone

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WTAM NBC N8BAM USNCR AARS BOB
 W8FSS N8PO W8OG W8NIW W8CNC N8VP

KFI - KECA

continued from page 12

AFFLUENCE: Tan has always been just plain tan to George Curran but now that he has acquired a new Packard he calls it beige.

UPSET: Ernie Wilmshurst "hotter than a firecracker" when he repeatedly triumphed over Alexander, Blatterman and Cole out at the Pamlico Tennis Courts today, and with his "little old dollar and half racket." The beating Alex took at the courts was nothing to the verbal one he took afterwards over those references we made to him being our Number One player.

TECHNICAL: In an article in the January issue of "Electronics" George Curran, KFI-KECA design and test engineer, describes in detail the frequency measuring unit designed, built and used here to monitor the frequency of our portable mobile transmitter. It is replete with pictures, schematic, values, and operating notes.

FOR OR AGIN US: Paragraph in a weekly says Marion Talley is sporting a new blue ribbon her pooch won in a dog show. She named the dog KFI "same as radio station she once sang over." ???

SPRING: Saw two fruit trees in blossom on our way downtown this morning, February 2nd. Blossom festivals in this vicinity will be at their height about the time this goes to print.

OVERHEARD:

Ernie: "Hits and scratches on the Red."

Jake: "East of Winnemucca."

Ernie: "Make it Reno; I can't spell that other."

HO HUM.

HOLLYWOOD DATA

W6PKA Carl Lorenz—

1 kw input Final 1-250 TH Driver 1-100 TH.

CW Only 2 H Beams at right angles—Central Africa—Japan (Asia) and South America.

W6HSC Mort Smith—

250 watts input Final 2—carbon plate 211 in PP—Driver 1-211 Johnston Q antenna—Modulator soon—hopes for pair of 810s.

W6QED Ted Hediger—

300 watts input Final 2-35T's Driver 1-807 Modulator 2-809's 14 mc dural tubing rotary beam—28 mc copper tubing rotary beam.

W6OSH Al Korb—

200 watts input 1-100 TH final driver by push exciter Modulator 2-809 14 mc rotary half waves in phase—Weekly phone schedule W2BKW Schenectady.

W6DZP Earl Sorenson—

500 watts input Final 2-2034A Driver 2-6L6G CW Only. W6?? W9MR Frank Ken Hicks—

350 watts input Final 2-860's Modulator 2-830B class B.

LORENZ SUGGESTS DX CONTEST—

Hollywood's Carl Lorenz suggests a DX contest for the West Coast as he turns in a list of tough ones worked since his arrival on the Coast. Carl sez it ought to be held on the Coast because the East could beat us with their European contacts.

Didn't we once hear that the Journal still had a group of tubes for prizes that were never given away. How about this idea? Let's have a yearly DX contest for the three NBC divisions for prizes.

Here is Carl's list of recent DX WORKED at W6PKA: XU8NR - XU8LS - XU6AW - XU8RL - PK3AA - PK1MF - ZB1J - VQ2MI - VQ8... - VP8AD - SU1WM - F18AC - CR7AF - CR7AL - FB8AB - VK9DM - VK9VG - SP1DC - ON - G's - F - PA - J8CA - J8GF - VR6AY - VR4AD - ZS - ZE - etc.

As Hollywood NBC settles down and becomes of age, and our New York, Chicago, and San Francisco immigrants find themselves houses and get through having babies, we find the curve of Amateur activity rising steadily. From two men in 1934 and zero activity we have risen jump by jump to twenty-six men and several active stations in 1939. Most active are old timers, Carl Lorenz and Al Korb who top the list with much dxing and consistent operating schedules. Mort Smith and Frank Hicks, with fairly recent additions to the family, are either on occasionally or still building. Earl Sorenson and Jimmy Brown have operating rigs but rarely find time to run them. Engineering amateur activity is almost eclipsed by stations in other departments with Ted Hediger of production a regular performer, Freeman Gosden (Amos) on the air with a 1 kw phone and a 12 watt set in his car, and Stan Radom of Guest Relations also putting a kilowatt of sock into the ether.

1934 Two engineers

1935 Three men

1936 Eight men

1937 Eight to 15 men

1938 Max 26 men

1939 Twenty-six men

No amateur activity.

Brooke owns five meter transmitter. Dave Kennedy building 1 kw transmitter.

Mort Smith building transmitter. Denny buys an RME. Melrose and new movie shows tie up Hollywood gang completely.

Same as 1936. Too busy. Korb and Lorenz arrive.

Korb and Lorenz on the air. Smith gets his going in December. Sorenson and Brown on occasionally.

Brooke operating W6CUH-W6QED. Rotary beams going up. Higher power for all. Getting permanently settled. Many expect to get on the air.

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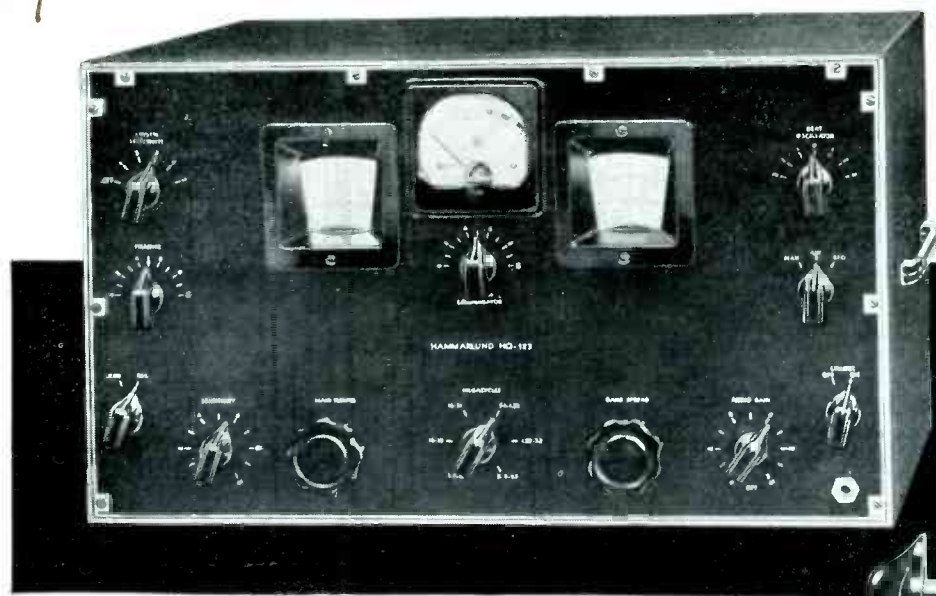
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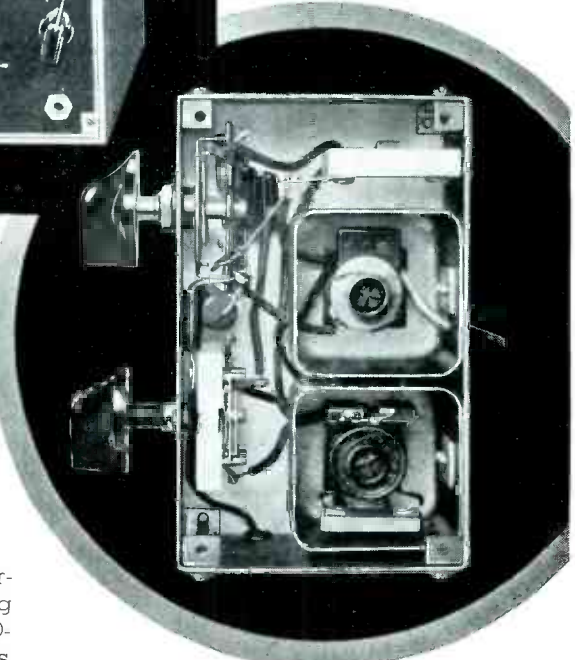


Tuning range: 31 - .54 megacycles (9.7 - 555 meters). Complete with crystal tubes, and 10" P. M. dynamic speaker at a price well within the reach of every ham.

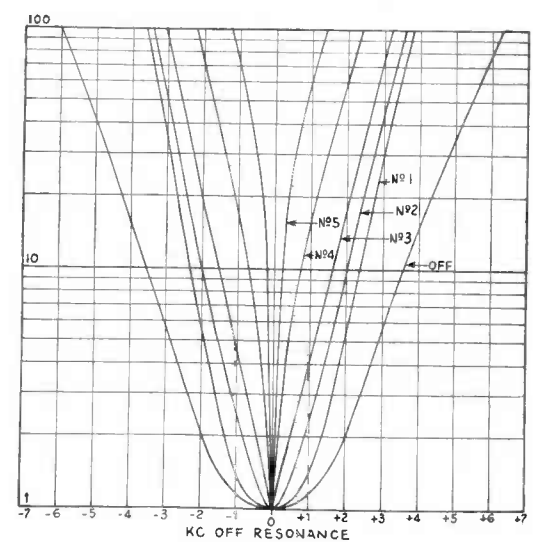
HQ-120 with Full Range CRYSTAL FILTER

THE "HQ-120," in the few months that it has been on the market, has won the admiration and approval of everyone coming in contact with it. The tremendous success enjoyed by the "HQ-120" is due to its many new and outstanding features. Amateurs everywhere are talking about the new variable selectivity crystal filter. The fact that this crystal filter performs equally as well on phone as C.W. has given phone men new hope of breaking through heavy Q.R.M. present in all phone bands. There are six ranges of selectivity — three ranges for phone and two for C.W. In the sixth range, the crystal is out of the circuit. Selectivity curves for the various ranges are shown in the illustration. The advantage of using the crystal filter for radiophone reception lies in the ability to phase out heterodyne interference. The phasing control has no unbalancing effect and does not cause detuning. There is no interlocking in the crystal filter.

To improve reception on the 10 and 20 meter bands, the "HQ-120" has a very effective noise limiter. Interference from automobile ignition systems and similar types of disturbances can be reduced to a minimum. Because of special circuit design, the "S" meter incorporated in the "HQ-120" provides a very accurate check on signal strength. This "S" meter is calibrated in "S" units from 1 to 9 and up to 40 db above "S-9." There are many other features that make this an outstanding receiver for its moderately low price. The R. F. sensitivity is really remarkable; extremely weak stations can be tuned in with a minimum of background noise.



Curves of I.F. amplifier including five positions of the selectivity switch.



Write Dept. TJ-3 for 16-page booklet giving complete details

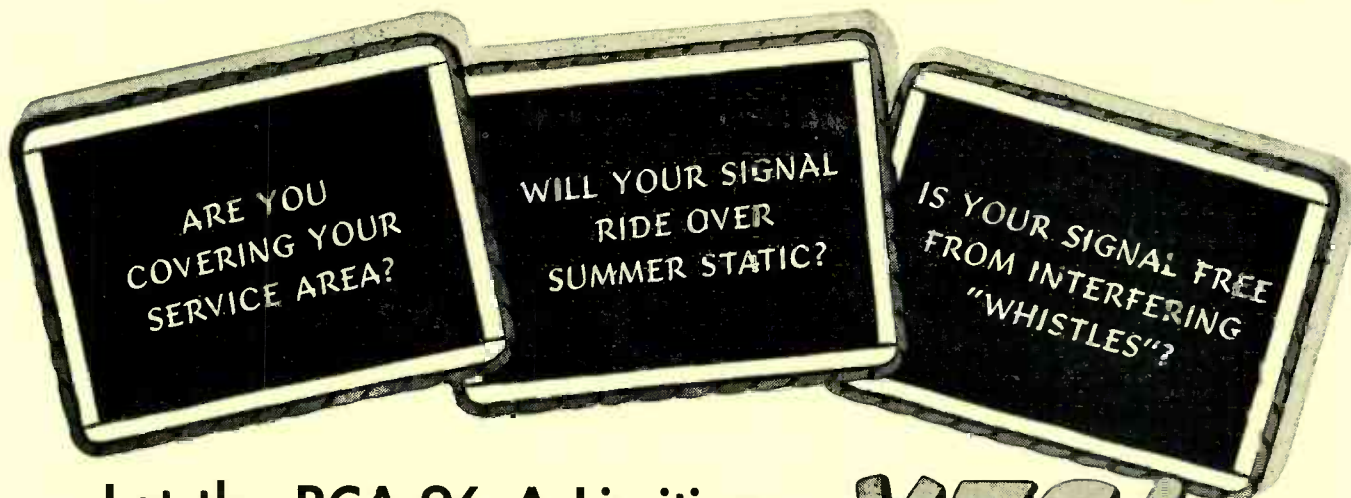


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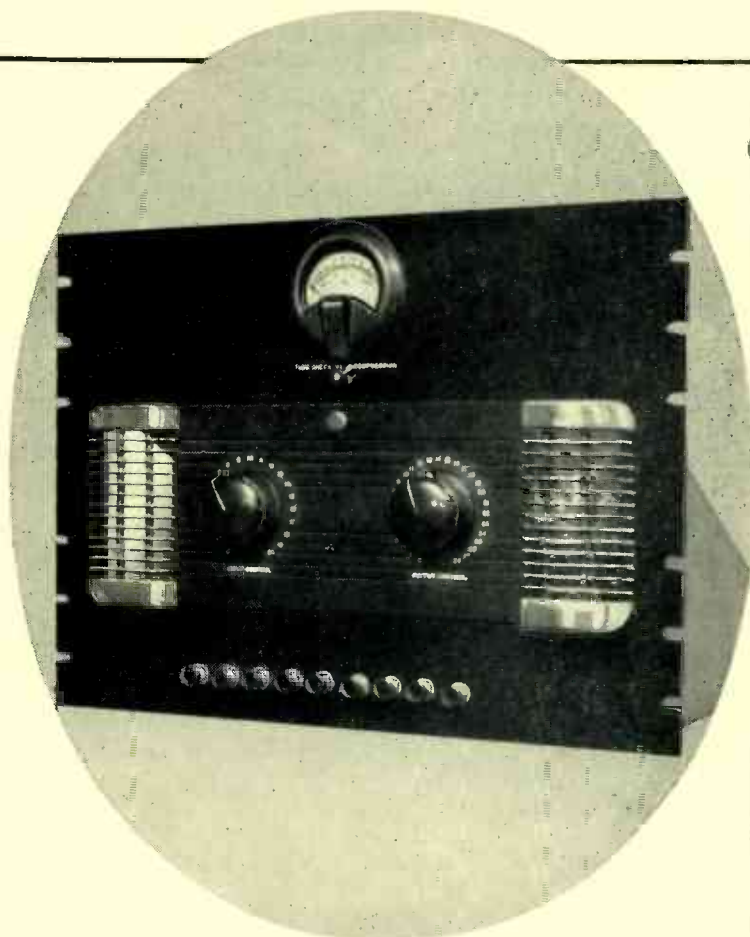
Let the RCA 96-A Limiting Amplifier help you answer

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It has been effectively demonstrated that the RCA 96-A Limiting Amplifier will permit you to increase the signal strength by 3 db—about the same thing as doubling the power of your transmitter.

The 96-A enables you to get an increased signal without making your transmission sound distorted. This is because of the return time constant of the instrument—not fast enough to influence audio frequency tones. Its action depends upon vacuum tubes—easily replaced when necessary. It has been carefully engineered and includes many features the engineer will find useful. The price is reasonable, too.

Why not install an RCA Limiting Amplifier now—when maximum signals are needed to overcome summer static. Write the nearest office for complete details.



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