RADIO MANUAL

Radio's Place In Communication. A question which has often been sked is whether or not radio will

portant than the telephone, tele-

graph or cable. A glance at the

history of communication as well as that of transportation shows that

methods already in existence, affording and providing a greater
range of facilities to meet new upto-date conditions and to render
more efficient public service.

Radio waves linked Japan with
the rest of the world after seismic

waves had caused catastrophe and destroyed all other means of com munication in September, 1923. Cable relay stations were carried

away, tolephone exchanges swamped, inland telegraph and tolephone lines destroyed, and many operators killed. The earthquake spared the 860-foot tower of Japan's

spared the 860-foot tower of Japan's most powerful radio station, which answers to the call JAA. Stations along the Pacific coast of the United States maintained constant communication over the transpacific circuit in the other lanes through Flonolulu, and showed how admirably radio could supplement other means of communication.

During the month of August.

method of communication. The telephone can not reach every one; neither can the telegraph, the cables, or maior but with all four working together it is possible to reach any appet on the face of the earth by the telephone transmitter, microphone of radio, or key of the telegraph. The steamship, the raliford, the airplane, and automobile hill supplement each other, and so it will be with the telephone, tele-

all supplement each other, and so it will be with the telephone, telegraph, cable, and radio—"One for nil, all for one."

The applications of commercial radio telegraph and radio telephony are particularly adapted for mobile vehicles, such as trains and automobiles, ship to ship, and ship, to shore, and between airplanes and airplanes to the ground. Radio is undoubtedly the first line of communication access thanks of water and deserts. As a insertial for the dissemination of accertainment and news, radio is also of great, importance.

Kohawks Will Meet Beloit Here This Week

WASHINGTON, GRANT QUINTETS EACH BOOKED FOR TWO GAMES

Tigers Meet Shellsburg Tomorrow And Oelwein Friday; Grant At Marion Tuesday, · And Home Later In Week With Dysart.

INSPIRED by their victories over Ripon and Monmouth, Coe's basketeers started a week of practice today for what promises to be a real test for Burt Jenkins' tribe when Beloit invades the local court next Saturday evening.

HAWKEYES WORKING

FOR CREIGHTON '5'

special to The Gazette.

IOWA CITY, Jan 12.—Belief is rampant here that Coach Sam Barry

head of the rating and the Hawks play no conference opponents this

HOT SPORT CHATTER

Those Washington high em-

at the defeat sustained in Ottum-

wa Friday should feel more com-

fortable when they read of Sloux

City's fate one might later. State

was defeated by it the Lawton high five. This may not mean

much until it is revealed that

the records show Lawton to be

ized Bronxville country club at Mount Vernon, N. Y., have taken drastic action toward the female

wielders of drives, putters and

mashies. According to rules drafted, women will be absolutely taboo, not being permitted to linger around even as guests of the club, let alone taking to the golf course.

Garnavillo enters the name of

Margaret Mechan for a record

ing against Volga City, Miss

Mochan registered twenty-seven

field baskets and one free throw

to score 55 of her team's 68

Conditions at Coe and Cornell have reversed themselves somewhat of late. For several years

past Cornell had been strong in basketball but not so good on

the gridfron. Coe, on the other hand, had one winning eleven after another, but basketball vic-tories were rather, scarce. This year, however, Cornell had an

points.

a town of only 343 couls. 🔧

Beloit, tied with Carleton for the Mid-west championship last year, is reported to have another powerful aggregation this season although several of the 1924 stars are missing, namely; McAuliffe, Laffin and Mc

The Badger five has two brilliant performers in Captain Watson and Vondracek, the latter generally regarded as one of the outstanding basket tossers in the loop last year.

No Change Likely. virtue of their brace of victories last week, the Kohawks now are leading the conference teams, and indications are that Jenkins will make no drastic changes in his regu-

The brilliant basket shooting of Tulis and Harris Lumb were among the features of the Ripon and Monmouth games, while the steady playing of Captain Stuelke, Brown and Willis Lamb and the spectacular shooting of Substitute Sturgis in the Monmouth encounter were potent factors in getting Coe off to its best basketball start in several years.
While the collegians are trimming While the collegians are trimming their sails, the prep combinations of Washington and Grant also will be

active. Undaunted by their surprise de-Undaunted by their surprise defeat at Ottumwa, the Tigers are hopeful of registering victories over Shelisburg, tomorrow, and Oelwein, Friday. Both games are billed for the "Y" court, and unless further upsets are recorded the Orange and Black should emerge on the long end in each contest.

Grant at Marion.

With a record of four straight defeats. Grant's dribblers will trok over to Marion tomorrow night in hopes of chalking up their first victory. The west siders showed good form in the first quarter of their game at Dubuque, but the defense then cracked and Ted Payseur's speedy outfit quickly ran up a sizeable count.

On Eriday night the Green and

On Friday night the Green and Gold will seek to square accounts with Dysart for the defeat administered before the holidays. This game will be played on the Roosevelt floor

Shellsburg Boys' **Ouintet Defeats** Newhall Hi Five

SHELLSBURG, Jan. 12.—Shellsburg high cagers annexed their third triumph of the season when the Newhall dribblers were handliy defeated in a thrilling setto staged on the local court, by the decisive count of 14 to 6. The game was hotly contested through the first half, the score being 5 to 3 in favor of the locals, but in the final period the Bhellsburgites steadily increased their lead eight more notches while permitting the invaders a ringer and a gratis toss. The tight defensive game displayed by the Blue and White held the opposing scorers to a pair of ringers and a like number of gratis shots.

The Shellsburg girls suffered their initial setback of the season when the Newhall girls emerged victorious from a rather slow game, 19 to 9. SHELLSBURG, Jan. 12.-Shells

Musinex C H. Johnson
Hayes RGRO Koch
Culp LGLG Moeiler
Field baskets Evens 1. Husted 1.
Mullinex 1 Peterson J. Hayes 2. Johnson 1. Koch 1 Free throws: Husted
2. Koch 1, Johnson 1.
Substitutions Shellsburg, Dice Fits-

patrick, Peterson Referee Freshwater of I S. T C.

URBANA WINS FROM MT. VERNON, 21 TO 13

URBANA, Jan 12.—In a fast and interesting game. Urbana defeated Mt. Vernon by a score of 21 to 13 The Urbana team promises to be a winner again this year

Hurls "Strangler" Lewis From Ring COAST LEAGUE CLUBS



An erstwhile University of Nebraska football player, who tried boxing unsuccessfully and who is a novice at wrestling, is now the world's heavyweight champion. Wayne "Big" Munn, six feet, seven inches in height and weighing 258 pounds, is the young man who acted so undignified as to toss "Strangler" Lewis out of a Kansas City ring and necessitated his removal to a hospital with injuries so severe that the former titleholder will be out of the game for an

BY 'EARL'

unbeaten football team, but its

cagers have been getting sound-ly trounced each time out, whereas Coe had its poorest

floor five that has yet to taste

Since writing the paragraph referring to Margaret Mechan,

our attention is called to a game

played in Chicago Saturday

wherein Frank O'Conner of the

Inland Electric five tossed an even fifty baskets to score 100

points in leading his team to victory over the Western Association Electric quintet, 130 to 20.

O'Connor's record ties that of Hugh Boyland who shot a similar number in a game played

Harvard and West Point quarter-

ack, would become head coach at farvard next season is succession to

Pocket Money.

WILL SUCCEED FISHER

HARVARD DENIES DALY

back in 1919.

ommittee.

grid season in years but now

WILL CHANGE HANDS

LOS ANGELES, Calif., Jan. 12.-By International News).-Announce ment of the sale of the Vernon baseball club to William Lane, Salt Lake mining millionaire; purchase of Lane's Salt Lake franchise by Chi cago and Salt Lake interests, and the 1925 schedule were the chief events scheduled here today at the meeting

scheduled, here today at the meeting baseball league.

Another important question to he decided is the pumber of players on each club. Opposition to a plan reducing the number of veterans to 18 and roogies to 12 was expected, J Cai Ewing, of Oakland, is in favor of the reductions and will head a fight for them.

The for Springville.

Central City goes to Quasqueton on Lucsday, and to Walker, Friday.

RADIO BROADCASTING **NEWS**

Regular schedule of WJAM, The Evening Gazette-Iowa Railway and Light company radiophone station (wave length, 268; D. M. Perham, engineer); market reports, daily except Sunday, 10, 11:30 and 1:30; Story Hour, conducted by Miss Blanche Loomis, Tuesday, Thursday and Saturday, 6 to 6:20; other programs to be announced. (Central standard time.)

Dodson, Famous Radio Entertainer, To Sing At WJAM

and roogies to 12 was expected. J
Cai Ewing, of Oakland, is in favor
of the reductions and will head a
fight for them.

Claude Putman and Charles Graham, San Francisco representatives,
were reported to be ready to re-open
the question of a second ball club in
San Francisco, the Seals' representatives having declared another club
is sought by San Francisco.

Among the first announcement
was that of Duffy Lewis, manager
of the Portland club, who branded
as false a story circulated to the effect that Portland was not behind
Harry Williams, president of the
league. Lewis said the Portland owners were well satisfied with Willlams' administration.

Prominent among rumors concerning the meeting was that Walter
Johnson, pitching ace of the Washington Americans, intended to purchase a club in the league. It was
said that if he could not re-open
negotiations for buying the Oaklandclub, he would try to get an option
on the Seattle franchise.

Al Dodson, whose physical charactoristics and fame as a radio entortniner have won for him the title
"the daddy long legs of radio," will
be heard on the evening program
Thursday from The Gazette-Light
company station WJAM, through
the courtesy of Phillip J Lannan,
manager of the Isls theater

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Thursday from The Gazette-Light
occupany station WJAM, through
the courtesy of Phillip J Lannan,
manager of the Isls theater

Mr Dodson is coming here for an
engagement at the Isls of three days,
starting Wednesday, Thursday and Friday
twice each afternoon and each night
of Wednesday, Thursday and Friday
twi

SPRINGVILLE SPLITS

WITH CENTRAL CITY

CENTRAL CITY, Jan. 12.—The

Wildcats divided basketball honors

George McDonald, fecal plants, with two assisting entertainers, will give a program tomerrow night from WJAM, "Mac", with Royal "Red" McGinnis and Fred Endsley, vocalists, will absorb the ether from The Gazette-Light company station between 7 and 9:15. Clark's orchestra from Dreamiand ballroom will be heard ! between 9:30 and 10:30.

"Mac" missed his train from

"MAC" AT PIANO, ENDSLEY, M'GINNIS TO SING, TUESDAY

Des Moines to this city last Thursday and was unable to give the program he promised then.

McDonald will join McGianis and Endsley on the vocal numbers. Don't forget, fans, that tomorrow's studio program is one in which request numbers play a leading role. The studio number is 5706.

"The Iowa Farm Home," by Mrs. Ellsworth Richardson, Pella, Iowa, leader'of the home work of the studio farm bureau.

January 14—Noon, "Foreign Outletes for Iowa, Farm Products," by L. G. Michael; 2:16 p. m., "Puro declaration of count supplement of communication.

During the month of August, 1922, Irish Irregulars took possession of seventeen cable fines linking Europe with the American continent causing secumulation of ples of messages. The great radio circuits leading from England, one to Norway, one to Germany, and another to travel lenath the Atlantic meshlegrams, but instead arrived in the United States, at the speed of sunlight via the other. Radio facilities, both transmitting and vacilities to the fortific entrusted to it. Delays were kept down to a miningum of the fortific entrusted to it. Delays were kept down to a miningum of the fortific entrusted to it. Delays were kept down to a miningum of the fortific entrusted to it. Delays were kept down to a miningum of the fortific entrusted to it. Delays were kept down to a miningum of the fortific entrusted to it. Delays were kept down to a miningum of the fortific entrusted to it. Delays were kept down to a miningum of the fortific entrusted to it. Delays were kept down to a miningum of the fortific entrusted to it. Delays were kept down to a miningum of the fortific entrusted to it. Delays were kept down to a miningum of the fortific entrusted to it. Delays were kept down to a miningum of the fortific entrusted to it. Delays were kept down to a miningum of the fortific entrusted to it. Thursday and was unable to give

(Courtesy Radio Digest; By Associated Press; All Central Time.)

s, KGO '(812) Oakland, concert.

r, when (2/3) New York, violinist, victure.

7, WOAU (278) Philadelphia, recital, program.

7, WOAU (519) St. Louis, music, specialites tris, talk.

7:135, WAII (3:6) Richmond Hill entertainers.

7:18-9, WHO (522) Das Moines, pianist.

7:28-9, WHO (522) Das Moines, pianist.

7:38-9, WHJ (816) Detroit, News orchestra.

10, KFI (480) Los Angeles, orchestra.

10, KFI (480) Los Angeles, orchestra.

10, WOO (417) Mpis, orchestra.

10, WGO (3:2) Oakland, educational talks, trio.

18, WOS (441) Jefferson City, Harry M. Suoderasa, "King of the tvortes."

8, WOB!: (148) Zion City, band, quartet, celestial bells, reader, duete. 6. WOX (516) Detreit, music.
6. WOAW (522) Omaha, organ.
6.10. WHN (360) New York, fashion chais.
6.10. WHN (360) New York, fashion chais.
6.110. WHN (360) Schenectady, program, New York farm bureau.
6.110. WGX (360) Schenectady, program, New York farm bureau.
6.110. WGX (370) Ohicago, concert.
6.110. WGX (370) Philadelphia, orchestra.
6.110. WGX (370) Row York, orchestra.
6.110. WGX (370) Row

for the dissemination of entertaining ment, and news, radio is also of great, importance.

Two, of the excellent features of radio, not possessed by either the telephone, telegraph, or cables, are telephone, telegraph, or cables, are second, a velocity which carries a radiogram around the earth in the twinkle of an eye; is less time than a telephone receiver can be lifted from the hook to attract the attention of the operator. The second salient feature of radio is its ability to reach instantaneously an audience numbering millions. It is calculated that, on a basis of one radiophone station adequately serving the whole area within a radius of thirty miles of its serial, eight stations in the British lales are capable of entertaining 30,000,000 people, approximately skty-five per cent of the population, even though crystal sets are employed for receiving.

WGR (319) Buffalo, concert. WMAQ (448) Chicago, organ. WGN (376) Chicago, organ. WLW (423) Cincinnati, concert. WDAF (411) Kansas City, school

of the air WEAF (492) New Tork, University eight. 6, WGR (405) Newark, orchestra. 6, KGO (312) Oakland, concert. 5, WGAW (542) Omaha, advice to love-

R. WCAE (462) Pittsburgh, concert, R. WHAA (462) Iowa City, concert by school of music faculty, 8:86, WKAA (478) Dallas, planiet; baritone. baritone.

8:30, WMC (504) Memphis, cencert.

8:30, WOAI (385) San Antenio, enter.

1 tainers, instrumental trio.

8:46, KYW (535) Chicago, musicale.

9, WLW (423) Cincinnati, special.

9, KOA (323) Denver, musical, vocal

dramatic.

b. WEAF (492) New York, program,
9-10:30, WEN (360) New Tork, Mard 9-19:39, WMN (369) New Tork, Mard Gras. 9, WOAW (823) Omaha, program. 9, WFI (1995) Philadelphia, program. 9, WOAE (463) Pittsburgh, orchestra. 9, KPO (423) 'Frisco, orchestra. 9:15, WMAQ (448) Chicago, contraito. 9:39-10:45, WMAP (478) Ft, Worth, or

travel (alk.

8, WGN (379) Chicago, program.

8, KYW (838) Chicago, nusic.

8, HNX (337) Hollywood, music.

8, HNX (337) Hollywood, music.

8, WAFF (498) New York, Everready hour.

8, WFI (395) Philadelphia, comcert.

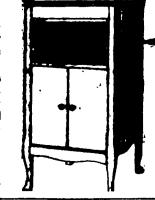
18, KGW (498) Portland, orchestra.

19, KGW (498) Portland, orchestra.

THIS COLUMBIA GRAFONOLA Compare the modern Grafo-

nola at today's prices with any other phonograph—we'll leave the rest to you. You can get today a Columbia Grafonola with all modern improvements for less money than you would pay for an oldfashioned unimproved phonograph. When you pay your good money for a phonograph, get a modern instrument.

STEPANEK & VONDRACEK



ta Ga Jimmy Slattery Buffalo: this is your opinion I don't want it. Jack Delaney Bridgeport. Conn for I know a thunderin' sight better Johnny Wilson New York. I ve been a squire eight years and LiGHT HEAVYWEIGHTS Gene I've issued marriage lloonses all the Tunney, New York, Young Stribling, time.' '-Everybody's.

Apply freely

sets are employed for receiving.

(Continued Tomorrow.)

delícious **Candy Bar**



More Than 2,000 People

it is estimated, attended our opening last Saturday. This is wonderful and we wish to take this opportunity of thanking each and every one of you who helped to make this day such a glorious success.

For the benefit of those who are unable to see the rooms and exhibitions during the day we will keep open house every evening this week until 9 P. M.

Ilten & Taege, Inc.

210-212 South First St. West

TEX RICKARD RANKS LEADING PUGILISTS IN ALL CLASSES

Champions Rated First In All Divisions Except Light-heavyweight; Dempsey And Leonard In Honorary Positions.

NEW YORK, Jan. 12.—(By Associated Press.)—For the IN first time in the history of boxing in this country an international ranking list of the "first ten" in each of the nine di-

CAMBRIDGE, Mass., Jan. 12,-(By Associated Press). - Published reports that Charles D. Daly, former

Negro, third. Lists the Year's High Spots

Bob Fisher, were officially denied today by Fred W. Moore, graduate treasurer of the Harvard athletic

"If your husband is so mean; what do you do for pocket money?"
"Our druggist will charge postage stamps. I sell them."

FLYWEIGHTS - Pancho Villa

FEATHER W.E.I.G.II.T.S.— Louis Kaplan, Mariden, Conn.; Babe Her-man, San Francisco; Mike Dundee, Rock Island, Ill.; Danny Kramer,

to Gene Tunney, American 175 pound king, with Young Stribling, sensational Georgia schoolboy, see-ond and Kid Norfolk, New York

Important developments of 1924 are listed by Rickard as follows:

"1. The collapse of Firpo through defents by Wills and Weinert and the rise of Romoro and the further development of Gibbons in the heavy-woight class.

Manila; Frankio Genaro, New York; Al Brown, Panama; Jimmy Russo, Grand Rapids, Mich.; Tommy Mil-ton, New York.

BANTAMWEIGHTS—Eddie Martin, New York; Abe Goldstein, New York; Abe Goldstein, New York, Bud Taylor, Chicago; Carl Tremaine, Cleveland; Amos Carlin, New Orleans

Philadelphia: Joe Lombard, Panama.

JUNIOR LIGHTWEIGHTS — Kid Sullivan, New York; Jack Bernstein, Yonkers, N Y.; Solly Seaman, New York; Lew Paluso, Salt Lake City, Eddie Wagner, Philadelphia.

Tox Rickard, internationally known promoter, in a copyrighted article for the February issue of The Ring, national boxing publication. It is intended to make Rickard's ranking list an annual feature along the lines of all-star selections already made annually in baseball, football, golf, and tennis.

Recognized champions head all Rickard's selections except the light heavyweight division, in which Mike McTigue, world's titleholder, is rated only fourth. Top position is given to Gene Tunney, American

Purple Cagers Are Unable To Keep Step With Fast Monmouth Les

MOUNT VERNON, Jan. 12. In her second Mid-west conference game here Saturday afternoon, Cornell development of Gibbons in the heavyweight class.

"2. The success of Young Stribling, who may have a lot to say in
boxing during 1925.

"3. The rise of Sid Terris as a
runner up in the lightweight class.

"4. The decline of Johnny Dundee and his resignation of the
world's featherweight championship
world's featherweight championship
due to inability to make the
weight."

Represent Eight Nations.

Rickard gives only complimentary

was unable to noid gown smiley, star
bandlost 24 to 18. Although playing an altogether differthis floor play and lost 24 to 18. Although playing an altogether different brand of ball than it did against
the Ripon five, Coach Saalwachter's
outfit was again ûnable to connect
with the backets for the necessary
points.

In the opening moments of the
contest Grean and Hartwell tossed
three pretty baskets for a Cornell 6

Rickard gives only complimentary

was unable to noid gown smiley, star
to aptain of the Monmouth quintet, in
his floor play and lost 24 to 18. Although playing an altogether different brand of ball than it did against
the Ripon five, Coach Saalwachter's
outfit was again ûnable to connect
with the backets for the necessary
points.

In the opening moments of the
contest Grean and Hartwell tossed
three pretty baskets for a Cornell 6 was unable to hold down Smiley, star

runner up in the lightweight class.

"4. The decline of Johnny Dundee and his resignation of the world's featherweight championship due to inability to make the weight."

Represent Eight Nations.

Rickard gives only complimentary positions to Jack Dempsey and Benny Leonard at the top of the heavy-weight and lightweight divisions, respectively, because of their inactivity during 1924.

Eight nationalities are representative in the gash and one free throws. Clemmer made two more free tosses; it with saventy-six, while the Philippines and England are each Philippines and England are each represented with three fighters; Chite. Panama, and Canada with two each; and Argentine and Italy with one each. The first five box error of Rickard's rankings follow:

FLYWEIGHTS — Pancho Villa, Manila; Frankle Genero. New York, Wey No. (39) Chicago, contents.

6138, WOAE (482) Montreal, ensembles.

6188, WOAE (482) Pittsburgh, 1 Usels (363, Kn) or chestra.

6136, WOAE (483) Fisso, or ches

Cornell (18),	•		
	G.	FT	PF
Dean, rf	1	0	
Clammer, rf	0	2	
Green, ir	2	ã	
Boylan, o	ñ	0 0 0	
Kasch, c	ö	ž	
Hines, rg	×	ñ	
Hartwell, ig	×		
Call In	- 2	Q	•
Bell, ig	0	2	1
Mannath (24).			
	G.	FT.	PF
Molesworth, rf	0	1	
Van Horn, rf	Ö	ō	
Taylor, If		Ö	- 1
Jones, c		ő	- 7
Spaces C	X	ň	
Speers, c Smiley, rg	2		
Charles, in accessors	6	6	
Seville, is	Q	o	
Smith, is	0	1	
Officials. Burt Ingwereon	oί	Illin	ola
referen			
**************************************	-		

Lincoln Tells A Story. The late Senator Cole of California

Eddle Wagner, Philadelphia.

LIGHTWEIGHTS — Benny Leonard New York. Sid Terris, New York. Sammy Mandell, Chicago; Sid Barbarlan, Detroit; Jehhny Dundee, New York.

Wel/Terweights — Mickey Wel/Terweights — Mickey Walker Elizabeth, N J.; Dave Shade, San Francisco; Willie Harmon, New York, Lew Tendler, Philadelphia Pete Latzo, Scranton, Pa.

MIDDLEWEIGHTS—Harry Greb, MIDDLEWEIGHTS—Harry Greb, Pittsburgh "Tiger" Flowers, Atlanta, Ga Jimmy Slattery Buffalct, Jack Delaney Bridgejort, Conn Johny Wilson New York