Radio

FREQUENCIES

WIBA	1310	WCFL	1000	KMOX	1120
WHA	970	WIBU	1280	WGN	720
WLW	700	WENR	880	WIND	560
WBBM	780	WTMJ	620	WJJD	1160
WCCO	830	WMAQ	670	WLS	890

Tonight's Aces

Quiz

8:30 p. m.—Information Please (WIBA): returns with Clifton Fadiman, m.c., John Kieran and Franklin P. Adams. Guests, Fred Allen and Moss Hart, playwright.

9:30 p. m.—Thanks to the Yanks (WBBM): Dolly Dawn sings "There Must Be a Way;" cigarets go to U. S. Naval hospitals at Newport, R. I. and Farragut, Idaho.

* * *

Variety

6 p. m.—Supper Club (WIBA): guest, Jan Murray, comedian.

7:30 p. m. — Joan Davis (WBBM): poses as fortune teller and almost ruins the local bank.

* * *

Music

6:30 p. m. — Melody Lane (WBBM): "People Will Say We're in Love," "If I Loved You," "Good, Good, Good," "Beautiful Lady."

7:30 p. m. — Concert Hour (WIBA): with Gladys Swarthout: "I'm Falling in Love With Someone," "Songs My Mother Taught Me," "Give Me One Hour," medley from "Student Prince."

8 p. m.—Great Artists (WIBA): Lily Pons; "Caro Nome" from "Rigoletto," "Waltz" from "Sleeping Beauty" ballet, "The Nightingale," and "Estrellita" . . . **Pan American Union Concert** (WENR): with Maria Robles, Puerto Rican soprano, soloist.

8:30 p. m. — Spotlight Bands (WGN): Johnny Long.

9 p. m. — Contented Hour (WMAQ): "Nichevo," "I'll See You Again," "My Heart Stood Still," "Who," and Bernard Berquist, pianist, playing Beethoven's "Moonlight Sonata."

10:15 p. m. — Jack Smith Show (WBBM): with Four Chicks and Chuck as guests.

* * *

Miscellaneous

7 p. m. — Vox Pop (WBBM): interviews army war casualties in Winter General hospital, Topeka, Kas.

7:15 p. m. — Hedda Hopper (WLS): comments on Hollywood; new time and station.

9 p. m.—Jewish Holy Day Program (WGN): featuring Cantor Silverman of Amshe Emet Synagogue, Chicago, and choir directed by Hyman Resnick, music director of Board of Jewish Education.

GLADYS SWARTHOUT
WIBA at 7:30

* * *

Drama

6:45 p. m. — Easy Aces (WGN): domestic comedy show returns; to be heard Monday through Saturday.

7 p. m. — Cavalcade of America (WIBA): "Sawdust Underground," story of French underground, starring John Hodiak and Bob Bailey.

7:30 p. m. — Sherlock Holmes (WBBM): "The Story of Col. Warburton's Madness."

8 p. m. — Radio Theater (WBBM): Virginia Bruce, Paul Henreid and George Brent in "Experiment Perilous."

9 p. m.—Screen Guild (WBBM): "Private Lives" with Claudette Colbert and Herbert Marshall.

11:05 p. m. — Michael Scott Presents (WBBM): "The Three Musketeers."

* * *

Tuesdaytime

9:30 a. m. — Charm School (WGN): Cornelius, Chicago portrait photographer, gives tips on how to apply make-up for photographs.

1:30 p. m. — Baseball (WIND): Cubs vs. Boston Braves.

3:15 p. m. — White Sox vs. Washington Senators.

WIBA TONIGHT

6:00 NBC Supper Club
6:15 NBC News of the World
6:30 Dinner Melody
6:55 News
7:00 NBC Cavalcade of America
7:30 NBC Concert Hour
8:00 NBC Great Artists
8:30 NBC Information Please
9:00 Famous Jury Trials
9:30 NBC Doctor I. Q.
10:00 Night News Edition
10:15 NBC Harkness of Washington
10:30 NBC Cafe Zanzibar Orch.
11:00 News Report.
11:05 NBC St. Louis Serenade
11:30 NBC Three Suns Trio
11:45 NBC Lee Sims, Pianist
11:55 NBC News Report

WHA TONIGHT

4:45 Jane Cowl.
5:00 Masterworks of Music: Gershwin—American in Paris.
5:30 Short Story Time.
5:45 Dinner Musicale.
6:00 Evening News.
6:15 Dinner Musicale.
7:00 Signoff.

OTHER STATIONS TONIGHT

6:00 Jack Kirkwood—WCCO
6:00 Fulton Lewis, Jr.—WIBU
6:00 Supper Club—WTMJ
6:00 GI Joe's Problems—WGN
6:00 Jim Blade Music—WMAQ
6:15 Jack Smith Show—WCCO
6:15 So the Story Goes—WBBM
6:15 Raymond G. Swing—WCFL
6:15 World Neighbors—WLS
6:15 John W. Vandercook—WMAQ
6:15 Lum and Abner—WIBU
6:30 Skip Farrell—WMAQ
6:30 Melody Lane—WBBM
6:30 The Lone Ranger—WLS
6:45 Easy Aces—WGN
6:45 Bing Sings—WIBU
6:45 H V Kaltenborn—WMAQ
7:00 Lum and Abner—WLS
7:00 Cavalcade of America—WMAQ
7:00 Polka Party—WIBU
7:00 Vox Pop—WBBM WCCO KMOX
7:15 Hedda Hopper—WLS
7:30 Joan Davis Show—WBBM
7:30 Sherlock Holmes—WGN
7:30 Concert Hour—WMAQ
7:30 Meet Your Navy—WLS
7:30 Jamboree—WIBU
8:00 Pan American Concert—WENR
8:00 Great Artists—WMAQ
8:00 Radio Theater—WBBM
8:00 Gabriel Heater—WGN WIBU
8:15 Real Life Stories—WGN
8:15 Pleasure Parade—WIBU
8:30 Information Please—WMAQ
8:30 Spotlight Bands—WIBU WGN
8:45 Rex Maupin Orch.—WENR
8:55 Storyteller—WENR
9:00 Jewish Holy Day—WGN
9:00 Pacific Serenade—WENR
9:00 Contented Hour—WMAQ
9:00 Screen Guild—WCCO WBBM
9:30 Win, Place or Show—WENR
9:30 The Better Half—WIBU
9:30 Dr. I. Q.—WMAQ
9:30 Bulldog Drummond—WGN
9:30 Thanks to the Yanks—WBBM
10:00 Radio Newsreel—WIBU
10:00 Jack Kirkwood—WBBM
10:00 Songs You Remember—WGN
10:00 Supper Club—WMAQ
10:15 Jack Smith Show—WBBM
10:15 Jimmie Fidler—WTMJ
10:30 Charlie Chan—WENR
10:30 Vagabonds—WMAQ
10:45 Rumpus Room—WTMJ
10:45 Patty Ford—WBBM
10:45 Man Hunt—WMAQ
11:05 Michael Scott—WBBM
11:15 Gay Claridge Orch.—WENR
11:15 Harry Cool's Orch.—WGN
11:30 Johnny Long Orch.—WENR
11:20 Music From the West—WBBM
11:30 Clyde McCoy Orch.—WBBM
11:30 Lew Diamond Orch.—WGN
11:45 Earl Roth Orch.—WGN
12:00 Nite Watch (to 5:30)—WIND
12:05 Musical Nightcap—WMAQ
12:30 Mel Cooper Orch.—WBBM

OTHER STATIONS TUESDAY

—MORNING—

5:30 Daily Prayer—WMAQ
6:00 Top o' the Morning—WTMJ
6:00 Farm News—WLS
6:15 Everett Mitchell—WMAQ
7:00 Salute to Fighting Forces—WIBU
7:00 Pats Gallicchio—WMAQ
7:00 Devotions—WLS
7:06 Musette Band—WIBU
7:15 Farm Service—WIBU
8:00 Musical Clock—WIBU
8:00 Your Neighbor—WMAQ
8:20 Weather Roundup—WIBU
8:30 Breakfast Club—WLS
8:30 Musical Clock—WIBU
9:00 My True Story—WLS
9:00 Robt. St. John—WMAQ
9:00 Valiant Lady—WCCO WBBM
9:00 Hebrew Christian Hour—WIBU
9:15 June Baker—WGN
9:15 Light of the World—WBBM
9:15 Lora Lawton—WMAQ
9:30 Charm School—WGN
9:30 Road of Life—WMAQ
9:30 Evelyn Winters—WBBM WCCO
9:30 Fun with Music—WIBU
9:45 Joyce Jordan—WMAQ
9:45 Listening Post—WLS
9:45 Bachelor's Children—WBBM
10:00 Amanda—WBBM WCCO
10:00 Fred Waring—WMAQ
10:00 Breakfast in Hollywood—WLS
10:15 Farmer's Friend—WIBU
10:15 Elsa Maxwell—WGN
10:15 Second Husband—WBBM WCCO
10:30 Take It Easy—WGN
10:30 Barry Cameron—WMAQ
10:30 A Woman's Life—WBBM
10:45 Ted Malone—WCFL
10:45 David Harum—WMAQ
10:45 Aunt Jenny—WBBM
10:45 What's Your Idea?—WIBU WGN
10:55 Cliff Edwards—WIBU WGN
11:00 William Lang—WGN WIBU
11:00 Martha and Helen—WLS
11:00 Kate Smith—WBBM
11:00 Guiding Light—WTMJ
11:00 Words and Music—WMAQ
11:15 Headlines and Highlights—WIBU
11:15 Morton Downey—WGN
11:15 Today's Children—WTMJ
11:15 Big Sister—WBBM WCCO
11:35 Farm and Home Hour—WIBU
11:30 Musical Milkwagon—WMAQ
11:30 Helen Trent—WBBM WCCO
11:30 Women in White—WTMJ
11:45 Our Gal Sunday—WCCO WBBM

—AFTERNOON—

12:00 Dinnerbell Time—WLS
12:00 Life Can Be Beautiful—WBBM
12:00 The Grenadiers—WTMJ
12:15 Constance Bennett—WCFL.
12:15 Ma Perkins—WBBM WCCO
12:30 Margaret MacDonald—WBBM
12:30 Elizabeth Hart—WMAQ
12:30 Paula Stone Show—WGN
12:30 Loop Noonday Service—WJJD
12:45 Farm and Home Hour—WIBU
12:45 John J. Anthony—WGN
12:45 Young Dr. Malone—WBBM
1:00 Two on a Clue—WCCO WBBM
1:00 Guiding Light—WMAQ
1:00 Farm Service—WIBU
1:00 Life Can Be Beautiful—WTMJ
1:15 Stump Us—WLS
1:15 Rosemary—WCCO WBBM
1:15 Today's Children—WMAQ
1:15 Si Hays—WIBU
1:15 Jane Cowl—WGN
1:15 Dr. Malone—WTMJ
1:30 Boston at Chicago—WIND
1:30 Your Home and Mine—WLS
1:30 Queen For A Day—WGN
1:30 Perry Mason—WBBM WCCO
1:30 Woman in White—WMAQ
1:30 Queen for A Day—WIBU
1:45 Hymns of All Churches—WMAQ
1:45 Tena and Tim—WBBM
2:00 Songs by Andre Villon—WGN
2:00 Best Sellers—WCFL
2:00 Woman of America—WMAQ
2:15 Sox at Washington—WJJD
2:15 Palmer House—WIBU
2:15 Clara, Lu and Em—WBBM
2:15 Ma Perkins—WMAQ
2:30 Arthur Godfrey—WCCO
2:30 The Smoothies—WIBU
2:30 Editor's Daughter—WBBM
2:30 Ladies, Be Seated—WCFL
2:30 Pepper Young—WMAQ
2:30 Ida Bailey Allen—WGN
2:45 Linda's First Love—WBBM
2:45 Right to Happiness—WMAQ
2:45 Excursion in Science—WIBU
3:00 Backstage Wife—WMAQ
3:00 House Party—WBBM
3:00 Family Bible Hour—WIBU
3:15 Beulah Karney—WENR
3:15 Stella Dallas—WMAQ
3:30 Ladies Be Seated—WENR
3:30 Lorenzo Jones—WMAQ
3:30 Summertime Melodies—WIBU
3:45 Young Widder Brown—WMAQ
4:00 Rev. Polley—WIBU
4:00 When a Girl Marries—WMAQ
4:00 Glamor Manor—WENR
4:15 Banko—WGN
4:15 Portia Faces Life—WMAQ
4:30 Two Ton Baker—WBBM
4:30 Just Plain Bill—WMAQ
4:30 University Special—WIBU
4:30 Ted Malone—WENR
4:45 Hop Harrigan—WENR
4:45 Gold Coast Rhythm—WBBM
4:45 Front Page Farell—WMAQ
5:00 Terry and the Pirates—WENR
5:15 Pleasure Time—WMAQ
5:15 Dick Tracy—WENR
5:15 Edwin C. Hill—WBBM WCCO
5:15 Superman—WIBU WGN
5:30 Adventure Stories—WGN
5:30 The Cadets—WMAQ
5:30 Jack Armstrong—WENR
5:30 Fiesta—WIBU
5:45 Tennessee Jed—WENR
5:45 Tom Mix—WGN WIBU

WIBA TUESDAY

MORNING

6:00 Sacred Heart Program
6:15 Morning Parade
6:30 News Report
6:35 Morning Variety
7:00 NBC World News Roundup
7:15 Musical Clock
7:30 State Journal News Edition
7:50 Musical Clock
8:30 News
8:35 Interlude
8:45 Shopping Guide
9:00 Trading Post
9:15 Home Front Quartermaster
9:30 NBC Road of Life
9:45 News
10:00 NBC Fred Waring Show
10:30 NBC Barry Cameron
10:45 NBC David Harum
11:00 Linda's First Love
11:15 Mary Foster
11:30 Farm Roundup

AFTERNOON

12:00 News Report
12:05 Farm Roundup
12:15 Farm Service
12:30 Noon News Edition
12:50 Interlude
1:00 NBC Guiding Light
1:15 NBC Today's Children
1:30 NBC Woman in White
1:45 Judy and Jane
2:00 NBC Woman of America
2:15 NBC Ma Perkins
2:30 News Report
2:35 Music of the Day
2:45 NBC Right to Happiness
3:00 NBC Backstage Wife
3:15 NBC Stella Dallas
3:30 NBC Lorenzo Jones
3:45 NBC Young Widder Brown
4:00 News Report
4:05 Campus Jamboree
4:30 NBC Just Plain Bill
4:45 NBC Front Page Farrell
5:00 Organ Melody
5:15 Melodies
5:30 News Edition
5:45 The Sports Parade
5:55 News Report

EVENING

6:00 NBC Supper Club
6:15 Dinner Melody
6:30 NBC Everything for the Boys
7:00 NBC Johnny Presents
7:30 NBC Date with Judy
8:00 Truax Field Calling
8:30 NBC Victor Borge and Orch.
9:00 NBC Bob Hope Show
9:30 NBC Hildegarde
10:00 Night News Edition
10:15 NBC Harkness of Washington
10:30 Keepsake Time
10:35 NBC Hits and Misses
11:00 News Report
11:05 NBC Roy Shield & Co.
11:55 NBC News Report

WHA TUESDAY

MORNING

7:30 Band Wagon
7:45 Morning News
7:58 WHA Program Review
8:00 Morning Melodies
8:30 Music You Want: Franck—Prelude, Chorale & Fugue
9:00 News and Views
9:15 Magazine Rack
9:30 Fun Time
9:50 Interlude
9:55 Weather Report
10:00 Homemakers' Program: USO Continues Its Services, C. L. Mack, Charles Lutz: The Wisconsin Apple Harvest, H. J. Rahmlow
10:30 Campus Visitors
10:45 Concert Airs
11:00 Moods and Melodies
11:30 U. S. Marine Band

AFTERNOON

11:55 Noon Musicale
12:20 Noon News
12:30 Farm Program: Food Marketing News, Gordon Gunderson; News of Vocational Agriculture, C. H. Bonsack
1:00 Chapter a Day: The Bolinvars—Marguerite Bayliss
1:30 Don Voegeli—Organ Music
2:00 Features in the News
2:15 Adventures in Research
2:30 Music of the Masters: Sibelius—Violin Concerto
3:30 In the People's Cause
3:45 Interlude
4:00 Steuben Music Program
4:30 Piano Melodies: Dorothy Sayre
4:45 Jane Cowl
5:00 Masterworks of Music: Tschaikowsky-Symphony Number 4
5:30 Short Story Time
5:45 Dinner Musicale
6:00 Evening News
6:15 Dinner Musicale

JUST BACK FROM OVERSEAS!

"INFORMATION PLEASE"

NBC, TONIGHT

8:30 C.W.T.

GUEST ☆ TONIGHT

FRED ALLEN

World-Famous Wit of Radio and Screen

TUNE IN the experts—Fadiman, Adams, Kieran—who have amused and amazed millions with their knowledge of everything under the sun. Famous guest stars on every program!

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NEWS BROADCASTS

TONIGHT

5:00 WIBU WBBM
5:00 WGN WMAQ
5:05 WMAQ
5:30 WIBA WTMJ
5:30 WCCO WBBM
5:45 WMAQ WBBM
5:55 WIBA WBBM
6:00 WHA
6:00 WIBU WIND
6:00 WBBM WLS
6:05 WBBM
6:15 WIBA WMAQ
6:15 WCFL WTMJ
6:30 WTMJ
6:30 WIBU WGN
6:45 WMAQ
6:55 WIBA
7:00 WGN WIND
7:15 WLS WGN
7:20 WIBU
7:55 WBBM KMOX
8:00 WGN WIBU
9:15 WIBU
10:00 WTMJ WIND
10:00 WIBA WENR
10:15 WIBA WMAQ
10:30 WBBM WGN
10:55 WIBU
11:00 WIBA WBBM
11:00 WENR WMAQ
11:00 WGN WTMJ
11:30 WIND
11:55 WIBA WTMJ
11:55 WGN
12:00 WBBM
12:00 WMAQ WENR
12:55 WENR WMAQ
1:00 WBBM WGN
1:30 WBBM

TUESDAY

A. M.

5:30 WMAQ WIND
5:55 WGN
6:00 WMAQ WIND
6:05 WTMJ
6:30 WIBA WTMJ
6:45 WGN WLS
6:45 WMAQ
6:55 WBBM
7:00 WTMJ WCCO
7:00 WBBM WIBA
7:01 WIBU
7:15 WGN WBBM
7:30 WIBA WTMJ
7:45 KMOX WHA
7:55 WMAQ WTMJ
8:00 WGN WBBM
8:15 WLS
8:25 WTMJ WIBU
8:30 WIBA
8:30 WIBU WMAQ
8:35 WMAQ
8:45 WBBM WIND
9:00 WHA
9:00 WIND WGN
9:00 WTMJ WMAQ
9:30 WIND WLS
9:45 WIBA
10:00 WIBU
10:30 WLS
10:30 WIBU WIND
10:45 WCFL WLS
11:00 WGN WIBU
11:15 WIBU
11:30 WGN

P. M.

12:00 WMAQ WCFL
12:00 WIBA WIND
12:15 WIBU
12:20 WHA
12:30 WIBA
12:30 WLS WBBM
12:45 WMAQ
12:55 WTMJ
1:00 WGN
1:55 WTMJ
2:00 WIBU WBBM
2:30 WLS WIBA
2:45 WLS
3:00 WGN
3:15 WCFL
3:25 WBBM
3:55 WBBM
4:00 WIBA WGN
4:30 WENR
5:00 WBBM WIBU
5:00 WGN WMAQ
5:05 WMAQ
5:15 WJJD
5:15 WBBM WCCO
5:30 WTMJ WCCO
5:30 WIBA WBBM
5:45 WMAQ WBBM
5:55 WBBM WIBA
6:00 WBBM
6:00 WLS WHA
6:09 WBBM
6:38 WTMJ
6:15 WCFL WMAQ
6:30 WIBU WGN
6:45 WLS WMAQ
7:00 WIBU WGN
7:15 WGN
7:20 WIBU
7:55 WBBM KMOX
8:00 WGN WIBU
9:15 WIBU
10:00 WENR WIBU
10:00 WIBA WTMJ
10:15 WIBA WMAQ
10:30 WGN WBBM
10:55 WIBU
11:00 WMAQ WGN
11:00 WIBA WENR
11:00 WBBM WTMJ
11:55 WTMJ WIBA
11:55 WGN
12:00 WBBM
12:00 WMAQ WENR
12:55 WMAQ WENR
1:00 WGN WBBM
1:30 WBBM

SPORTS REVIEWS

TONIGHT

5:45 WIBA WTMJ
6:00 WJJD
6:30 WIND
10:30 KMOX

TUESDAY

1:10 WIND
2:00 WJJD
3:30 WIND
4:15 WJJD
5:45 WIBA WTMJ
6:00 WJJD
6:30 WIND
10:30 KMOX

MARKETS

TUESDAY

A. M.

11:30 WLS
11:45 WLS

P. M.

12:00 WIBU
12:10 WIBU
12:15 WGN
12:40 WIBU
12:50 WLS
1:10 WLS

Uncle Ray's Corner

Crookes Tube Paved Way for X-Ray Machine

Sir William Crookes, a British scientist, played a part in the march of knowledge during modern times. Born in London in 1832, he lived to the age of 87. In his honor, the "Crookes tube" was given its name.

The tube which Crookes invented was a glass bulb from which nearly all the air had been taken out. Entering the bulk at one end was a wire which carried electricity.

The Crookes tube helped to prepare the way for the modern neon tube. It also made it possible for scientists to carry out many tests.

When Crookes sent an electric current into the tube, rays, or electrons, jumped across the empty space to a piece of metal at the other end.

A German scientist named Roentgen used a Crookes tube when

Sir William Crookes

he made tests which led to the x-ray machine. That was in 1895. Roentgen found that shadow pictures could be formed by the X rays, or "Roentgen rays," as they also are called.

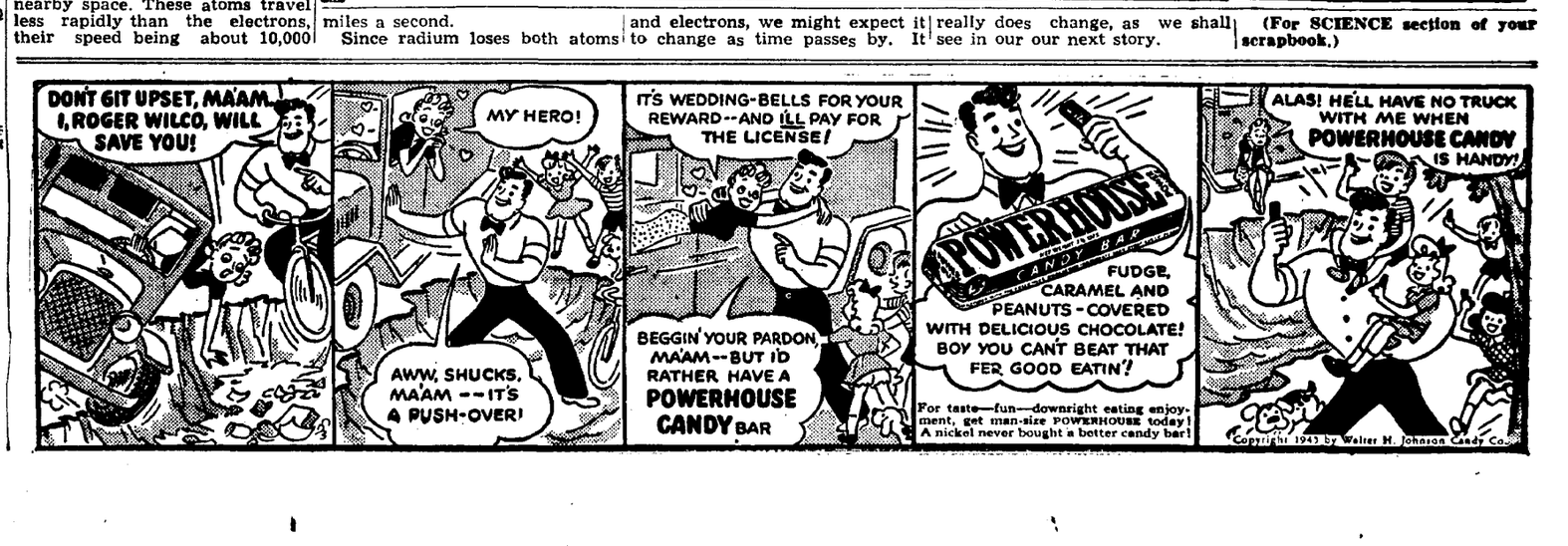
X rays are of great value to doctors who take care of people with broken bones. They also show dentists whether or not an abscess exists at the root of a tooth.

X ray machines, Crookes tubes and radium have done much to bring about the modern knowledge of atoms. All of them shoot out electrons, and electrons are parts of atoms.

When I say that those things "shoot" electrons, I am using the right word. A bullet may travel at the rate of half a mile in a second, but an electron travels at a far greater speed.

The electrons shot out by radium have speeds which are hard for the human mind to understand. Tests seem to have proved that they go (for a shot distance) at the rate of at least 50,000 miles a second! Some of them may equal the speed of light—186,000 miles a second!

Besides sending out electrons, radium shoots helium atoms into nearby space. These atoms travel less rapidly than the electrons, their speed being about 10,000 miles a second.

Since radium loses both atoms and electrons, we might expect it to change as time passes by. It really does change, as we shall see in our our next story.

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