



(Continued from last issue)

Mr. Gibney made a splendid job of changing the vessel's name, and as she chugged lazily out of Panama bay and lifted to the long ground-swell of the Pacific, it is doubtful if even her late Mexican commander would have recognized her. She was indeed a beautiful craft, and Commodore Gibney's heart swelled with pride as he stood aft, conning the man at the wheel, and looked her over. It seemed like a sacrilege now, when he reflected how he had trained the gun of the old Maggie on her that day off the Coronados, and it seemed to him now even a greater sacrilege to have brazenly planned to enter her as a privateer in the struggles of the republic of Colombia. The past tense is used advisedly, for that project was now entirely off, much to the secret delight of Captain Scraggs, who, if the hero of one naval engagement, was not anxious to take part in another. In Panama the freebooters of the Maggie II learned that during Mr. Gibney's absence on his filibustering trip the Colombian revolutionists had risen and struck their blow. After the fashion of a hot-headed and impetuous people, they had entered the contest absolutely untrained. As a result, the war had lasted just two weeks, the leaders had been ineffectually shot, and the white-winged doves of peace had once more spread her pinions along the borders of the Gold coast.

Commodore Gibney was disgusted beyond measure, and at a special meeting of the syndicate, called in the cabin of the Maggie II that same evening, it was finally decided that they should embark on an indefinite trading cruise in the South seas, or until such time as it seemed their services must be required to free a downtrodden people from a tyrant's yoke.

Captain Scraggs and McGuffey had never been in the South seas, but they had heard that a fair margin of profit was to be wrung from trade in copra, shell, coconuts, and kindred tropical products. They so expressed themselves. To this suggestion, however, Commodore Gibney waved a deprecating paw.

"Legitimate tradin', boys," he said, "is a nice, sane, healthy business, but the profits is slow. What we want is quick profits, and while it ain't set down in black and white, one of the principal objects of this syndicate is to lead a life of wild adventure. In tradin', there ain't no adventure to speak of. We ought to do a little black-birdin', or raid some of those Jap pearl fisheries off the northern coast of Formosa."

"But we'll be chased by real gunboats if we do that," objected Captain Scraggs. "Those Jap gunboats shoot to kill. Can't you think of somethin' else, Gib?"

"Well," said Mr. Gibney, "for a starter, I can. Suppose we just head straight for Kandavu island in the Fijis, and scheme around for a cargo of black coral? It's only worth about fifty dollars a pound. Kandavu lays somewhere in latitude 22 south, longitude 178 west, and when I was there last it was fair reekin' with cannibal savages. But there's tons of black coral there, and nobody's ever been able to sneak in and get away with it. Every time a boat used to land at Kandavu, the native niggers would have a white-man stew down on the beach, and it's got so that skippers give the island a wide berth."

"Gib, my dear boy," chattered Captain Scraggs, "I'm a man of peace and I—"

"Scraggy, old stick-in-the-mud," said Mr. Gibney, laying an affectionate hand on the skipper's shoulder, "you're nothin' of the sort. You're a fightin' terantula, and nobody knows it better'n Adelbert P. Gibney. I've seen you in action, Scraggy. Remember that. It's all right for you to say you're a man of peace and advise me and McGuffey to keep out of the track of trouble, but we know that away down low you're goin' around lookin' for blood, and that once you're up agin the enemy, you never bat an eyelash. Eh, McGuffey?"

McGuffey nodded; whereupon, Captain Scraggs, making but a poor effort to conceal the pleasure which Mr. Gibney's rude compliment afforded him, turned to the rail, glanced seaward, and started to walk away to attend to some trifling detail connected with the boat fall.

"All right, Gib, my lad," he said, affecting to resign himself to the inevitable, "have it your own way. You're a commodore and I'm only a plain captain, but I'll follow wherever you lead. I'll go as far as the next man and we'll gloat that black coral if we have to slaughter every man, woman and child on the island. Only, when we're sizzlin' in a pot don't you up and say I never warned you, because I did. How d'y'e propose intimidatin' the natives, Gib?"

"Scraggy," said the commodore,

RADIO

PROGRESS OF RADIO THROUGH THE YEARS

Wireless Research Began Long Ago, But Development Has Been Swift Lately.

Wireless research started many years ago, as far back even as 1827. Even the radio telephone is not a recent perfection; rather it is that introduction to the layman of the human voice and music has suddenly popularized something that wireless men had thought a pastime or amusement. Here is the chronological record of wireless:

- 1827—It was found that the magnetic discharge from a leyden jar would magnetize a steel needle.
- 1831—Electro-magnetic induction was discovered between two entirely separate circuits by Michael Faraday.
- 1837—Cooke and Wheatstone of London, England, and Morse of the United States take out first patent for electric telegraph.
- 1838—K. A. Steinhell of Munich suggested that a system of wireless telegraphy could be established after his discovery of the use of the earth return.
- 1840—Joseph Henry (U. S. A.) produced the first high-frequency electric oscillations, and stated that the condenser discharge is oscillatory.
- 1842—Wireless experiments were made by S. F. B. Morse by electric conduction through water across Washington canal and across wide rivers.
- 1843—A wireless system for transatlantic communication was suggested.
- 1845—Water was used as a conducting medium in wireless experiments across a wide river.
- 1849—Intelligible signals were actually sent across a river 4,500 feet wide in India, but the cost was found prohibitive for commercial use.
- 1867—The electric waves that are now utilized in wireless telegraphy, and telephony were predicted in an

distance of 60 miles by radio signals.

- 1901—Radio communication started with five islands in the Hawaiian group. The first British ship is fitted with the wireless telegraph.
- 1902—Radiograph signals received aboard vessels at sea at 1,500 statute miles. Signals received from a distance of 2,000 miles.
- 1903—King Edward receives a radio message from President Roosevelt. High-power stations were ordered by the Italian government. First transatlantic radio message sent. Telegraphic news service for ships at sea is started. Marconi knighted in Russia.
- 1904—The first press message was sent across the sea.
- 1905—Patent suit started in New York between the Marconi and De Forest company.
- Patent for horizontal directional aerial is taken out. This was a great step forward in long-distance work.
- 1906—International conference is held in Berlin, at which most of the countries of the world are represented.
- 1907—The use of steel disks for producing notes were successfully tested.
- Radio stations in Ireland and Nova Scotia were opened for limited public service.
- 1908—Radio stations opened for unlimited public service between Great Britain and Canada.
- 1909—Steamship in collision with another off the coast of Florida succeeds in calling assistance by radio.
- 1910—Marconi receives messages 6,700 miles while on board ship going to South America.
- Spanish radio company formed.
- 1911—Canadian government leased radio stations for 20 years.
- 1912—Radio distress signals from the Titanic bring assistance and save lives of 700 passengers.
- 1913—Tests were made between the Eiffel tower in France and the station at Washington. During the trip into Central Asia an explorer received his longitude and time signals from a distant radio station.
- 1914—Marconi and radio officials start test of wireless telephone between vessels of the Italian fleet. The test was continued between vessels on the high seas and voices were heard with clarity at a distance of 44 miles. One day radio telephony communication was kept up constantly for 12 hours. Great Britain declared war



Elizabeth A. Bergner, Radio Instructor in Lane Technical High School, Chicago, and Her Class.

address before the Royal Society in London, England.

- 1880—The sending of an electric current through earth was systematically studied by John Troubridge of Harvard. It was found that signaling might be carried on over large distances between places not connected by wires.
- 1885—It was found that telephonic speech could be conveyed by induction over a space of quarter mile. This experiment took place in England.
- 1889—Electric waves were suggested as being particularly suitable for the sending of signals through fogs.
- 1892—An instrument for the detection of electro-magnetic waves was discovered which was given the name of a "coherer."
- 1894—A scientist of Berlin signaled through three miles of water.
- 1895—High frequency waves excite curiosity of Senator Marconi.
- 1896—First patent for practical wireless transmitting system is taken out in London by Marconi. Afterward, successful signaling was carried out over distances as great as one and one-quarter miles. Sir William Preece of the British postoffice system interested his cohorts in Marconi's wireless experiments.
- 1897—Marconi establishes communication between points four miles distant. Balloons were used to suspend antennae.
- Marconi demonstrates his wireless system before the king of Italy, communicating with two Italian warships nine miles distant.
- The first Marconi station is erected on the Isle of Wight and experiments conducted over a distance of 14 miles.
- Near the end of the year the first floating wireless station was successfully operated.
- 1898—The first paid marconigram was sent from the Isle of Wight station.
- 1899—Reports made on lighthouse accident by radio. First French gunboat is fitted with radio apparatus. In Vienna communication between two balloons is established. New York Herald receives radio report of international yacht races. The British war office introduces Marconi apparatus into the South African battlefields.
- 1900—German vessel communicates a

AMUSEMENTS

'BITS OF LIFE' AT REX TONIGHT AND FRIDAY

"Bits of Life" Marshall Neilan's latest film production, started in New York and finished in California, will be the screen attraction at the Rex theater, tonight and Friday.

The picture is said to present a novel form of screen entertainment in that it offers the combined efforts of four noted writers, namely: Hugh Wiley, Walter Trumbull, Thomas Mc Morrow and Marshall Neilan.

The production is divided into four episodes, each episode being based on one of the four stories. The first is taken from Mr. Mc Morrow's "The Bad Samaritan," which appeared in the "Popular Magazine"; the second from Mr. Trumbull's "The Man Who Heard Everything," published in "Smart Set"; the third from Mr. Wiley's story, "Hon," and the fourth from Mr. Neilan's original story, "The Strange Adventure."

The cast is the largest ever assembled in a Neilan production and includes Wesley Barry, Lon Chaney, Noah Beery, Harriett Hammond, Rockliffe Fellows, James Bradbury Jr., Fred Burton, Anna May Wong and others.

It is a First National Attraction.

'THE FAITH HEALER' AT ELKO TONIGHT AND TOMORROW

Several extraordinary features in connection with "The Faith Healer" which will be shown at the Elko theater tonight and tomorrow make it one of the most notable examples of the screen art produced by George Melford this season. The play was written by the late William Vaughn Moody, a playwright of note.

The theme is one of the most compelling ever conceived by a dramatist, and it discusses the problem of whether a man with a great work or mission in life should sacrifice the joys and pleasures of life, even love itself, and devote all his energies to his mission.

A beautiful romance is developed in the story. The picture is one of great emotional and dramatic intensity.

Milton Sills plays the title role of the faith healer. Ann Forrest, Rhoda Williams and other celebrities are in the cast.

TONIGHT & TOMORROW

A story that shows how big and beautiful human life can be.



'The Faith Healer'

Flaming with holy zeal, he came from the hills to flay society's sins. And saw the woman—and loved her! Then her own lips told him the life she had led, and—? Come, see what sort of man

William S. Hart coming Sunday and Monday

William S. Hart, popular Paramount star, will be seen at the Grand theater next Sunday and Monday in his latest Western picture, "Travelin' On". This is said to be one of the most dramatic photoplays in which Mr. Hart has been seen for some time. Ethel Grey Terry heads a strong supporting cast.

A George Melford Production A Paramount Picture

Flaming with holy zeal, he came from the hills to flay society's sins. And saw the woman—and loved her! Then her own lips told him the life she had led, and—? Come, see what sort of man

Milton Sills Ann Forrest

Elko

THE LIGHT IN THE CLEARING AT THE GRAND TONIGHT

"The Light in the Clearing," which comes to the theater for two days beginning tonight is the second story by that famous author, Irving Bacheller, to reach the screen. One of those delightfully old fashioned and rural stories that Bacheller so well knows how to tell, it will take you back to the days of your childhood when a rosy red apple was a man's greatest gift to a woman.

THE PIONEER WANT ADS BRING RESULTS

ARCHIE VERNON IS STRONG WITH BRAINER DISSENTS

Archie Vernon, a popular young attorney of Little Falls, who recently filed as a candidate for associate justice of the supreme court, is well known in Brainerd and has many friends here who will give him hearty support. He is particularly strong with the boys of the American Legion, as he was formerly state commander of the Legion—Brainerd Dispatch.

REV. J. FRALING, Bemidji, Minn.

Pastor, ST. PHILIP'S CHURCH 710 Beltrami Ave. Phone 247 Services on Sundays 8 a. m.—10 a. m.—7:30 p. m. Prayerbooks, Bibles and Religious articles at cost. The Church urges all Catholics to have a copy of the Bible in their home and to read it daily. Non-Catholics are cordially invited to attend any or all of our services. Admission free to all. Religious instruction, literature and information on the history and teachings of the Catholic Church given free upon request. All are welcome.

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DAILY PIONEER WANT ADS BRING RESULTS

(Continued in Next Issue)