Rotarians Hear **About Pharmacy**

meeting. It is presented by Mr. Fer- lets. ron as a brief history of the profession of which he is a leading member in Nevada:

"The primary function of Pharmacy is to prepare medicine for those that require it. It is therefor a highy specialized calling which may rise to the dignity of a true profession or sink to the lowest level of commercializing—depending on the ideals, ability and training of the one who practices it.

Embracing as it does a variety of knowledge, scientific and commercial, its contacts with other callings cover an exceedingly wide range. Magic and supersition dominated it at the beginning conjointly with medicine and religion. Alchemy influenced it for more than a thousand years. Commercializing has more or less affected it throughout the ages, and in the present era it seems to have reached its peak. In consequence of thee facts, Pharmacy in the mind of many observers, has been so obscured that its real value and functions have been frequently overlooked even by those practicing it. Teaching the facts of its history, they fail to stress its true professionalism and dignity and the importance of their work.

The real ethics of this profression at times, is ever at stake-which brings to mind the story of two partners doing business in one of. our large cities It seems that one partner?"

there was no source of supply ex- it from going all the way down. cept as he utilized the plants and So it carried on in Pharmacy and

ing was a scroll 22 yards long, 12 inches wide, and was uncovered in 1552 B. C. The Egyptians at that a paraschite, comparable to the extime knew the are of papyrus making, supposedy learning it from the Chinese. One tablet recovered Following is the paper presented by one of the various expeditionary to Las Vegas Rotary Club Thursday forces of Napoleon was found on noon by Wm. E. Ferron, program the Nile Delta. This tablet was chairman for the day. The paper written in three sections-one Heirwas written by Mr. W. R. Creighton ogliphics or picture writign used of Seneca Falls, New York, a distin- by the priests, one of the common guished pharmacist, who has been people and one in Greek. This tabvisiting in Las Vegas but was com- let was a key to future translations pelled to leave prior to Thursday's of many, many early Egyptian tab-

> Among the various things used in this Egyptian period and mentioned in the various papyrus recovered, we find oil, wine, myrrh, aloes, wormseed, opium anise, juniper, honey, olive oil a nd date blossoms, and in the metal and mineral substances we find iron, lead, crude soda, and salt. Precious stones of emerald, jade and sapphire are mentioned and it also specifies if the patient cannot afford the inclusion of these precious stones, ground glass of color may be substituted. So we carry along the ages of superstitions, magic, alchemy and what not of this early Egyptian period, then the Greek, then the Arabian period of Alexander the Great, the treatment and preparation of drugs for the diseased. Even up to the tenth, eleventh and twelfth centuries, A. D., we still find many of these ideas still used and not dared to be changed.

> Long before this early Egyptian era or period we find records, but due to the non-communicative traits of this people, we are withost definite knowledge of the dates or sources of information. But we find one Chinese library of 40 volumes from 1000 or more different authors and it is noted that they too depend greatly on Religion and superstition.

And in the system used we note partner had a son of school age. that out of 72 Buddahs-29 were Comnig home from school at supper Gods of healing and drugs. Protectime he asked the father for a def- tive charms were very definite to inition of Ethics as it had been men- them. Rewards and punishment tioned at school that day and he were abundant. Out of the 150 sepdidn't get its true meaning The arate and particular Hells, we find father replied, "Today a customer one designated for Pharmacists and came in and bought a number of one for physicians. There were, no items and the bill totaled \$5.00 doubt, subdivisions reserved for which the customer immediately price cutters, prescribing druggists paid. But after the customer had as well as dispensing physicians, gone out and it came time to ring dope sellers, and manufacturers of up the \$5.00 in the cash register, he cancer and consumption cures. The discovered that there were two bills 13th Hell is where the victims were stuck together. Now son, here's perpetually forced to swallow hot, where the question or subject of disagreeable medicinal preparations. Ethics comes in-Should I tell my This was the particular branch of pharmacy in which the Chinese ex-Interdependence of Pharmacy and celled. They contended, according medicine for countless ages and the to one writer, that "If a medicine tendency to specialize has effected does not stir up a condition of coma clear separation though there is motion within the patient, the disstill everlapping both its practice ease will not be cured by it." and jurisprudence. It is the duty Which reminds me that some preand function of the physician to di- decessor of mine in college days agnose the disease and recommend must have been a pharamcist or treatment and should a medicine be druggists son or have heard from necessary to write a prescription one, for in our fraternity hazing to be filled by a competant, licens- we attempt to stir up (and coned pharmacist-for these are the tinued until we did) by first tieing particular fields and specialties for an oyster on a string then dipping which each are especially trained, it first in vinegar and then in cas-In the early days both the fields tor oil, we forced the prospective were covered by one man. Neces. candidate to swallow or attempt to sarily he must be a pharmacist for swallow, for the string always kept

drugs, and he alone was the one Medicine through the Greek, Arawho knew what they were supposed blan, and Roman eras, along even to be good for. The early records to the 10 and 21th century A. D. of Pharmacy—the earliest prescrip- Knowledge of the anatomy was tion dates 3700 B. C. and others gained only by disecting animals dating up to 1550 B. C. have not as so great was reverence for the hu-

yet been translated. One early writ- man body. Priests were not allowed to even make an incision for embalming. A person known as ecutioner of the Crusade and Renissance, did such work. The great scholar, pharmacist and physician Hippwaates, in 460 B. C., gave us the code of ethics such as is given every medical student on graduation, and he is quoted with the wise saying:

> "Life is short Opportunity fleeting Judgment difficult Treatment easy-But treatment after thought is proper and profitable."

He introduced clinical records such as are used today and his diagnosis and prognosis entitled him to be called the father of medicine, yet he was primarily a Pharmacist. He died at the age of 90, and swarm of bees gathered near his tomb. This hive had a reverence to the populace for honey there-from was said to have remedical properties; thus we find for all his practice and teachings, the people reverted to superstitious beliefs rather than follow his splendid example and teachings. So we continue to follow along the path of superstition and religion, and due to the various persecutions, imprisonments pharmacy and physicians, was held

tinued for centuries-even the discovery of America and its loads of "fools gold" taken back to Europe comes within this period.

The Alchemists worked on the theory that there were four elements earth, air, fire and water, and in the 15th century they added salt. sulphur, and mercury. Valentine came along in the 15th century with antimony of which he said-"It is an excelent medicine for those acquainted with Alchemy, for others it's poison." And later antimony became a popular nostrum. One antimony pill lasted for years. Each time it was given it was carefully recovered and was kept as we keep jewels in a box, and was handed down from generation to generation. One best known example of an antimony compound is Tartar Emetic -used very sparingly in certain cough seratives, but best known as an ant poison. In the 1500's certain classes of preparations, some of which we still have today, became listed in the various formularies. The Portuguese and Venetians were importing drugs and spices from the far east, and aromatic waters, ointments, plasters and teas became popular.

In the 17th century, with America a newly discovered source of new and even beheadings, the force that supplies we find changes; for Jalap, would have heralded new and better | Saraspharilla, Cinchona (from which we now get quinine), balsam of back. No new ideas, thoughts or Peru, and Tulu, gave rise to new methods dared to be brought out. treatment. Leomade became pop-Reasearch was dead. So we got ular in France and Italy and the into a period where Alchemy-that sale was restricted to drug stores everlasting search for gold, the only. Ipecac became a very valutransmutation of metals, which con- able addition and many a physician

"SPARKS" AT WORK



Seated at the short-wave receiver, which ranges in the 12-80 wave lengths, Chief Operator Fred Lambert, of the Grace Line's "Santa Lucia," can communicate with any part of the world. To his left is the 500-watt transmitter for the 606-800 wave lengths—the "600-band" is the "distress band" for the "S.O.S." or "MEDICO" calls. Above this set is the 50-watt, emergency set, which covers the "distress band" area and can be operated from both the ship's current or reserve storage batteries. From this compactly planned room, Lambert, with two assistants, keeps in contact with the rest of the world for news, weather reports, and emergency calls from other ships.