One of the first groups of Saudi Arab Supervisors participating in Tapline's series of employee development conferences gathers at Turaif to hear a talk on government relations by D. E. Garrison (third from left). Pictured, from left clockwise, around the table, are Awad Hamed, Saad Abdallah, Lafi Naif, Saleh Salem, Ahmad Abdallah and Garrison. The Saudi Arab Supervisors heard talks on negotiations, by R. W. Moloney, Tapline's consultant in business law, and on government relations, by Saleh Al-As'ad. The ten-session series ending February 16 was coordinated by J. V. Foody.

Vol. 8 No. 2

March 1960

U.S. PATENT GRANTED ON SIDON COUPLING

Patent No. 2,904,353 has been granted by the United States Patent Office, climaxing a story of Tapline ingenuity dating back to the early days of the Sidon Terminal.

The patent applies to the quick release coupling used at Sidon to join submarine loading hose to the tanker by means of a dock hose during a loading operation. The device, patented earlier in Lebanon and believed to be used only by Tapline, is particularly valuable during storms or other emergencies.

During storms, ships using conventional couplings generally disconnect their hose on thirty seconds with a few strokes of a mallet, without loss of oil or damage to hose or tank.

The patent, entitled "U.S. Patent No. 2,904,353, "provides a quick release coupling for submarine loading hose to be used in unloading operations. Upon completion of the current program and subsequently extended to the Sidon Terminal and Beirut. In addition to the remote control functions, the system provides telephone communications along the pipeline and multichannel voice and telegraph circuits between the company's South Arabia headquarters at Turaif and the Beirut office. A program is now in progress to extend oil dispatching and general purpose voice and telegraph circuits along the entire pipeline.

The system, designed and constructed by Tapline's Communications Division under Hoffman's direction, represents a significant departure from conventional radio relay techniques. Recent advances in beyond-the-horizon VHF systems, pioneered by the U.S. Armed Forces for military communications systems, are combined with conventional radio equipment to achieve an optimum system for Tapline.

Substantial savings in cost were realized over systems offered to Tapline by others. Upon completion of the current program (Continued on page 2)
In the Spotlight

CAPT. RUTHERFORD AGAIN HEADS ZCC

For the second consecutive month, Capt. Rutherford was appointed to head the ZCC line as a watchman and, after advancing through various job

titles, was promoted to the position of Superintend-
A general view of 'Ar'ar, from a Tapline crane, showing the main street. In the foreground is the home of Abuald Ibrahim Baluchi, Tapline assistant relations representative, built under the company’s Saudi Home Ownership Plan.

Arabian Tale of Two Cities

In rapid development and growth, few areas in the Middle East can surpass 'Ar'ar and Turaif Town, Saudi Arabia. Ten years ago both were little more than portions of the vast desert landscape. Today each is a busy, thriving community enjoying many of the advantages of modern civilization.

'Ar'ar, located about two kilometers east of Tapline’s Badanah pump station, is the headquarters of the Amir of the Northern Frontiers. Several hundred families, including those of many Tapline employees, have permanent homes in 'Ar'ar. Its total population is estimated to be about 7,000 persons.

'TAr'ar is particularly proud of its wide, well-graded main street, lined with shops carrying a variety of goods. Electricity is supplied by the Badanah Power and Water Co. Houses of concrete block and modern design are to be seen in many areas of the town.

Turaif town, located just outside of Turaif pump station, is the bustling port of entry to Northwest Saudi Arabia. Thousands of tons of goods now move by truck from Lebanon, Syria and other points across the pipeline road into the northern areas and as far as the Eastern Province. Estimates place Turaif Town’s population at about 5,000 persons, many of them Tapliners.

Tapline is proud of the fact that it has been able to assist municipality officials of 'Ar'ar and Turaif town carry out their development programs. Company experts have participated in town planning, street grading and, in line with its convention agreement, in the development of water supplies and the pipeline road. In many instances, assistance was offered persons interested in establishing business enterprises.

Dry goods, heaters and clothing are among the dozens of items offered by this general store in 'Ar'ar.

This shop, one of many new private enterprises developing in Turaif Town, supplies auto parts. The business is owned by Abdul Aziz Issa al-Ma'aykel.

A section of Turaif Town, with part of the police barracks shown at the left, part of the mosque at the right.

A Saudi Arab customer inspects fresh fruits and vegetables from Lebanon and other Arab countries, in a Turaif Town shop. Such produce is trucked into Turaif Town and 'Ar'ar regularly.

This 'Ar'ar shop features a great variety of goods, including perfumes and beauty aids, watches and suits.

The National Commercial Bank branch building at 'Ar'ar. Another branch is scheduled to open soon in Turaif Town.

A recently completed mosque at 'Ar'ar, a gift of His Majesty King Saud to the people.

(PHOTOS BY NASR)
Among the wives participating in the special event were Mrs. William Tewell, the wife of the late Mr. Tewell, who served as the station's first pipeline superintendent, and who was the first to serve as superintendent. Mrs. Tewell was a charter member of the station's Women's Group, and she was a regular participant in the station's social activities.

Mrs. Tewell was well known for her hospitality, and she was always ready to welcome new employees and their families to the station. She was a tireless volunteer, and she was always willing to lend a helping hand. She was a true friend to everyone who knew her, and she will be greatly missed.
**OPERATIONS REPORT**

**January 1959**

| Average BPD received at Sidon | 351,302 | 345,362 | 320,742 |
| Average BPD loaded on ships | 199,811 | 178,519 | 175,669 |
| Average BPD delivered to ships, Jordan and Madina | 342,901 | 379,132 |

Liftings forecasts continued to be low, and during January the auxiliary pumping units were inactive for the third consecutive month. The average of barrels per day received at the Sidon Terminal during January was more than 2,500 barrels below the December average daily throughput of 327,666 and 139,000 barrels below the recorded average daily throughput of the same month in 1958.

The average barrels per day loaded on ships in January increased about 12,000 barrels over the previous month. However, a total of 430,540 barrels filled this month went to the Iraq Petroleum Company in repayment for crude delivered to the refinery in Homs, Syria.

How's Your Television Eye-Cue?

As television assumes an increasingly important place in Iran and Middle East life, many questions are being asked about the new media and its effect on the eyes.

What are the best conditions for television? Can television harm the eyes? Can we separate fact from rumor?

The answers to these questions are offered in questions and answers by the United States National Society for the Prevention of Blindness and submitted to the Periscope by Tapline's Medical Department.

**PURSEL RETIRES**

(Continued from page 3)

Pursel worked on general engineering and photography until late 1950. After the right-of-way was procured, Mr. Pursel was given the job of re-building 27 kilometers of road. In 1953 he surveyed town sites at pump stations along the line so that modern plumbing could be carried out. He assured the position of Senior Engineer upon W. Kestner's retirement in 1954. Since then Mr. Pursel has co-ordinated the company's traffic program. He is a member of the Central Committee of the Middle East Petroleum Institute, and directs the company's field engineering and construction program until late 1953.

When heavy rains washed out roads in Jordan in December 1951, he was given the job of rebuilding 27 kilometers of roads. In 1957 he surveyed town sites at pump stations along the line so that modern plumbing could be carried out. He assured the position of Senior Engineer upon W. Kestner's retirement in 1954. Since then Mr. Pursel has co-ordinated the company's traffic program. He is a member of the Central Committee of the Middle East Petroleum Institute, and directs the company's field engineering and construction program until late 1953.

**SCHOOL HONOR ROLL**

Fourteen Tapline children attending senior staff schools in Saudi Arabia have been placed on the Honor Roll for the first semester 1959-1960 academic year. Each earned grade of "A" or "B" in every subject. The youngest arc:

- Qasimah
- Elizabeth Hunter
- Rahul
- Charles Bell
- Pat Camp
- Badanah
- Andrew Austin
- Mack Eckert
- Erin Elia
- Donna Fox
- Juliet Terry
- Diane Wood
- Twalf
- Charles Balbo
- James Poudry, Jr.
- Betty Maaskant
- Generosa
- Anna Prusinski

No. Tinted glasses have an effect similar to turning down the brightness level of the picture. They are needed indoors only for eye defects.

- What are the rules of TV safety?

Your television set is a complicated electrical instrument, connected with power lines while operating. Don't try experimenting with home repairs. Remember that a TV tube, if broken, can produce a series of lasting wounds. Don't permit children to "play" with the set.

- Does color television increase eye fatigue?

No. Like black-and-white TV, color television should not result in eye fatigue if viewed from a proper distance (as far away as visual comfort permits), with clear focus, with some general room illumination, and with both eyes in equal use.

- What are the best types of TV cabinets?

Most TV cabinets are well-designed from the standpoint of visual comfort. However, avoid sets that look dull or similar glossy surface. How should long children watch television?

Childhood is a time when the eyes go through their period of greatest growth and change. Just as children should not be called upon to do heavy work with the rest of their bodies, the work they do with their eyes should be limited. Remember a "must" for every young TV fan is a regular rest period away from the set.