THREE TAPLINE SCIENTIFIC PAPERS WIN INDUSTRY-WIDE ACCLAIM

Scientific papers by Tapline experts are winning increasing acclaim in world petroleum circles.

Two of the papers recently were published in condensed form in the industry weekly, "Oil and Gas Journal." One is "Tapline's Experience with Gas Turbines," prepared by R. C. Hill, senior engineer responsible for development and test projects; R. H. Hubbell, senior engineer responsible for engineering services to operations and maintenance departments; and H. L. Knap, superintendent of mechanical maintenance.

Another is "Transit Preservation on Long Pipelines," by R. R. Burnett, assistant chief engineer.

A third paper, "Control of External Corrosion on Tapline," by F. M. Maasry, senior engineer in charge of the company's corrosion program, was published in two installments recently by the monthly magazine, "Pipe Line News."

Mr. Hill presented the turbine paper at the American Society of Mechanical Engineers turbine power conference held in March in Houston, Texas. Mr. Burnett presented his paper at the Annual Pipeline Conference, sponsored by the American Petroleum Institute's Division of Transportation, in April in Tulsa, Oklahoma.

Mr. Maasry presented earlier versions of his corrosion paper at the National Association of Corrosion Engineers annual conference in 1957 in St. Louis.

(Taken on page 4)

(Taken on page 5)
**Rafha Celebrates 400 Days Without a Lost-Time Injury**

Get set, get ready, go! Eight Rafha employees are off in the three—legged race during the recent safety barbecue dinner celebrating the station's 400th accident—free day. (Photo by Mrs. D. P. Harbin).

About a hundred Tapliners at Rafha worked to thoroughly enjoy the field day and safety dinner party held May 12 in recognition of the station's outstanding safety record—four hundred days without a lost time injury. The field day featured a tag of war, three—legged races, and jumping events. Competition was spirited, with Dudley Harbin and Walter Bezzel serving as referees and umpires. At the conclusion of the games, a tasty barbecue dinner was served to all.

**Turaif School of Dance Recital Proves an Outstanding Success**

Turaif community had a rare treat on June 1, when the Turaif School of Dance presented its first recital.

The stage was attractively decorated with blue and yellow tiles, with colorful skirts of pink, blue and red. To the delight of the audience the following girls performed solo tap and ballet numbers: Pamela Lewis, Katie Jensen, Anne Prusinski, Suzie Quick, Chipay Quick, Cindy Lewis, Chipay Wood, Mary Ann New and Deborah Quick.

Also as part of the recital the following boys did various tumbling tricks: Paul Booth, Jimmy Boyd, Steve Booth, John Prusinski, Charlie Bulby and Jimmy Soby. Dressed in white tie shirts and shorts, they performed such feats as double backflips, forward rolls, backflips, and jumps.

The performance was thoroughly enjoyed by the audience, and the community is exceedingly grateful to Mrs. J. V. Foody, director, and Mrs. R. H. Lewis, pianist, for the long hours they devoted to making this performance possible.

After the show, the children were given the candied apples which were used in the dance, and drinks were served. Also git was an evening that will long be remembered.

**OPERATIONS REPORT**

<table>
<thead>
<tr>
<th>Month</th>
<th>Average BPD received at Sidon</th>
<th>Average BPD loaded on ships</th>
</tr>
</thead>
<tbody>
<tr>
<td>May</td>
<td>204,183</td>
<td>198,311</td>
</tr>
<tr>
<td>Year</td>
<td>1960</td>
<td>192,390</td>
</tr>
</tbody>
</table>

Both the daily throughput of the pipeline and liftings from Sidon during May dropped to their lowest levels since Tapline started operations in December, 1950.

With continued diminishing forecasts of tanker liftings and the accumulation of high stocks at Sidon Terminal, Tapline's auxiliary pumping units were shut down and replaced with the recently installed electric booster pumps for the second consecutive month.

**Two Seamen Who Came to America Were Born in Kuwait**

Sidon, a barber (Muhammad, 23) and an electrician (Jihad, 21), all working in Kuwait.

Mr. el—Jundi was one of twenty—the—best seamen in Tapline's fleet, and he has never been absent from work or late on the job, although his years of service with the company were spent at the Sidon Terminal to take on crude oil pumped from Saudi Arabia and stored in the terminal's tanks.

Mr. el—Jundi's re—loading lines.(Photo by Nasr). Mr. el—Jundi soon will become a grandfather; four of his children are grown and have children of their own: a tailor (Ghazi, 26) who lives in Europe and other Western markets. During his Tapline career, he has helped more about a thousand tankers in their open holds at sea.

He has no secret formula for his remarkable longevity. Like most other people, he dislikes getting older, "I just manage to wake up, even though I often stay up late," he explains.

Bringing to his job years of experience at sea, Mr. el—Jundi captained ships for the Customs Department, Jaffa, Palestine, for twenty—seven years before joining Tapline in 1950. He had moved there from Sidon at the end of World War I and returned to his home town at the end of the Palestine hostilities in 1948.

The son of a tailor, Mr. el—Jundi soon will become a grandfather. Among his seven children, four of them grew up as a tailor (Ghazi, 26) who lives in Sidon, a barber (Mahmoud, 26), a mechanic (Farouk, 24) and a tailor (Ghazi, 26), all working in Kuwait.

Although he is now 58 years of age, Mr. el—Jundi hates to think of retirement. "As long as I have the strength," he asserts, "I will continue to work, showing a high sense of loyalty and responsibility. I will keep on taking my daily walk from the administration building to the pier, because I will always be at the terminal and I love this work. I love this work. It is time for me to go to work."
BADA’NAH CELEBRATES INTERNATIONAL HOSPITAL DAY

Occasionally people organize social functions which are of merit, not only because they are well run or because people enjoy themselves, but because the purpose underlying the affair is a worthy one. This was the case on May 12 at Tapline’s base hospital in Badana.

Three of the station’s most indefatigable organizers, Dr. J. D. Thaddeus, Dr. M. G. Khoury and the former Miss Julia Dunn, arranged a social function which will surely be remembered for a long time by those who attended.

It was an open house held in celebration of International Hospital Day—a day which commemorates the charitable work of Florence Nightingale. The affair was attended by more than eighty people.

As with all functions of this type, the principal organizer depended on considerable help from volunteers, and on this occasion many of the hospital staff gave up their own off-duty hours in order to contribute to the success of the event.

Lead Orderly Marni Feisal and his colleagues had the presents looking immaculate. As the guests arrived, the responsive Miss Salwa Nahi, headed them on the biography of Florence Nightingale. Visitors then were conducted on a tour of hospital installations by Doctors Thaddeus and Khoury and Misses Dunn, Dora Seher and Hiyam Katsa.

Upon a suggestion from Miss Dunn, a contest had also been organized among the hospital staff to produce a poster that would represent best the International Hospital Day spirit. One entitled “Health is the Secret of Happiness” was voted first prize by a committee that included Misses J. R. Terry, Mrs. Thaddeus, E. L. Wood and R. H. Petros. The poster was designed by Mahmoud el Khalil, Salwa Salih, Salwa Hiziri and John Achkar, who received a haversack such as a prize.

Responsible for the refreshments served to all visitors at the end of their tour of hospital installations were Miss Nadia Moussa and John Achkar.

First prize winners of the contest to design a poster that would best portray the International Hospital Day spirit were, from left, Mohammad el Khalil, Salwa Salih, Salwa Hiziri and John Achkar. (Photo by R. J. Fanous)

JALALMID A.P.U. IS OVERHAULED

Eight Saudi Arabia mechanics, two from each main pump section, played a major role in overhauling the principal pumping unit in Jalalmid A.P.U. (Alta Union Petroleum) Station. The work was completed June 26, included replacement of the first stage nozzles and modernization of the combustion system; repair of the main line pumps and replacement of the roof with painted sections, to expedite its removal in all future rebuilds.

For most of the Saudi mechanics, this was the first time they had worked in the field, in a task that demanded their participation in the various components.

The repair crew included, in addition to the Saudi mechanics, three turbine-diesel technicians, a welder, an equipment operator, a lead electrical instrument technician and a cook.

Repair operations on the Jalalmid unit were undertaken at this time of the year to make the turbine unit ready for operation at maximum capacity when water is low in order to provide on the job training to Saudi Arabian turbine mechanics.

Equipment moved to Jalalmid for the job included a newly acquired P&H crane mounted on a new truck trailer (for lifting the case off the turbine) and a new set of ceiling, refrigeration chillers, band buses and lounge cars, the comfort of the repair crew.

Six teams successfully completed the 3rd Annual Develop- ment Program held at the Industry Research Institute (IRI) and June 18. They are, from left seated, F. M. M. Mourad, (Communications), T. M. M. El Khatib, (Communications), M. Nair, (Engineering), E. M. McKinnon, (Engineering), J. T. J. Achkar, (Repairs), and A. A. Faddoul, (Repairs). Also pictured are Professor Robert McGee (standing, right) and A. R. H. Ross, (Sales). (Photo by A. J. Arnaud)

Five teams have posted perfect scores (zero penalty) for the first two months of the company-wide safety contest and are tied for the lead. The leading teams, by area:

- Boats, Darrasah, Amman
- Group No. 1 (Administration & General), D. T. Pinckney, captain, three-point penalty score.
- Snakes Marine
- Team No. 3, crew captains Meurs, W. Ludwig and M. Rutherford, respectively, each with a zero penalty score.
- Snakes Operations
- Team No. 4, crew captains J. H. Arnold and A. Faddoul, respectively, each with one-point penalty score.

FIVE TEAMS TIE FOR SAFETY LEAD

At Jalalmid, the first prize winners of the contest to design a poster that would best portray the International Hospital Day spirits were, from left, Mohammad el Khalil, Salwa Salih, Salwa Hiziri and John Achkar. (Photo by R. J. Fanous)

LEAD WELDER MUHAMMAD SELLAM LEFT) PICTURES TO CERTIFICATE OF PROMOTION TO TWO SAUDI ARABIA TECHNICALS ENGLISH AND ARABIC IN THE COMPANY’S DEVELOPMENT SCHOOL IN TURAIQ, ALBAHILI GATES (RIGHT) AND SALAU ADEBOYE (Photo by S. M. Khalida)

TAPLINE SCIENTIFIC PAPERS ACCLAIMED

(Continued from page 1)

Six teams successfully completed the 3rd Annual Development Program held at the Industry Research Institute (IRI) and June 18. They are, from left seated, F. M. M. Mourad, (Communications), T. M. M. El Khatib, (Communications), M. Nair, (Engineering), E. M. McKinnon, (Engineering), J. T. J. Achkar, (Repairs), and A. A. Faddoul, (Repairs). Also pictured are Professor Robert McGee (standing, right) and A. R. H. Ross, (Sales). (Photo by A. J. Arnaud)

Just Dial ‘O’ for Saudi Arabia

Radio telephone calls from Tapline’s Beirut office to individu- als at all main pump stations in Saudi Arabia can be initiated by dialing “O” for the Beirut telephone operator. Here’s how the system works:

On Beirut-To-Taraf calls, the Beirut telephone operator contacts the Taraf radio operator via very high frequency radio (VHF), which has been in service from Beirut to Taraf since January. The Turaif telephone operator then calls the person Beirut is calling by dialing his telephone number. The call then is switched to VHF, the connection now is ready, and the Beirut operator calls back the first party in Beirut and completes the call.

On calls from Beirut to Badana, Rafha and Qumesham, the Beirut operator contacts the Beirut radio operator in the same manner, then contacts the radio station being called by high fre- quency (HF). The operator at the latter station calls the person Beirut is calling by dialing his telephone number. The call then is switched to VHF, the connection now is ready, and the Beirut operator calls back the first party in Beirut and completes the call.

The Beirut office of Tapline’s Beirut office to individuals at all main pump stations in Saudi Arabia can be initiated by dialing “O” for the Beirut telephone operator. Here’s how the system works:

On Beirut-To-Taraf calls, the Beirut telephone operator contacts the Taraf radio operator in the same manner, then contacts the radio station being called by high frequency (HF). The operator at the latter station calls the person Beirut is calling by dialing his telephone number. The call then is switched to VHF, the connection now is ready, and the Beirut operator calls back the first party in Beirut and completes the call.

The Beirut office of Tapline’s Beirut office to individuals at all main pump stations in Saudi Arabia can be initiated by dialing “O” for the Beirut telephone operator. Here’s how the system works:

On Beirut-To-Taraf calls, the Beirut telephone operator contacts the Taraf radio operator in the same manner, then contacts the radio station being called by high frequency (HF). The operator at the latter station calls the person Beirut is calling by dialing his telephone number. The call then is switched to VHF, the connection now is ready, and the Beirut operator calls back the first party in Beirut and completes the call.

The Beirut office of Tapline’s Beirut office to individuals at all main pump stations in Saudi Arabia can be initiated by dialing “O” for the Beirut telephone operator. Here’s how the system works:

On Beirut-To-Taraf calls, the Beirut telephone operator contacts the Taraf radio operator in the same manner, then contacts the radio station being called by high frequency (HF). The operator at the latter station calls the person Beirut is calling by dialing his telephone number. The call then is switched to VHF, the connection now is ready, and the Beirut operator calls back the first party in Beirut and completes the call.

The Beirut office of Tapline’s Beirut office to individuals at all main pump stations in Saudi Arabia can be initiated by dialing “O” for the Beirut telephone operator. Here’s how the system works:

On Beirut-To-Taraf calls, the Beirut telephone operator contacts the Taraf radio operator in the same manner, then contacts the radio station being called by high frequency (HF). The operator at the latter station calls the person Beirut is calling by dialing his telephone number. The call then is switched to VHF, the connection now is ready, and the Beirut operator calls back the first party in Beirut and completes the call.

The Beirut office of Tapline’s Beirut office to individuals at all main pump stations in Saudi Arabia can be initiated by dialing “O” for the Beirut telephone operator. Here’s how the system works:

On Beirut-To-Taraf calls, the Beirut telephone operator contacts the Taraf radio operator in the same manner, then contacts the radio station being called by high frequency (HF). The operator at the latter station calls the person Beirut is calling by dialing his telephone number. The call then is switched to VHF, the connection now is ready, and the Beirut operator calls back the first party in Beirut and completes the call.
Sidon
Summer absences in Norway are Captain K. I. Tronstad and family, who embarked for Beirut running his "Nouveaute" store in Rue Bechara el-Khoury. He completed ten years of continuous service this year and was awarded a formal dinner by the people of Roermond, Holland, with Georges Hanania, Station Manager. The Tronstads also planned to spend time in the Hague visiting Tapline's headquarters and Keizer's in London.
Along the Line

(Continued from page 7)

Two parties were given the men before their departure—
including a barbecue for Domis and Bader hosted by families in
the station.

Headed for the United States to attend the graduation exer-
cises of her daughter, Linda, is Mrs. E. J. Wright. Stateside—
bound to visit her family is Mrs. W. R. Pickett, not due back un-
til next November.

One hundred fourteen pounds of fish were caught recently by
Station Mechanic C. Van Der Klink and Aramco's G. R. Sen-
dus during their trip to Ras El Misha®ab. The batch included
a prize catch three feet long.

Beirut

Miss Charlotte A. Gossens, daughter of Mr. and Mrs. G. H.
Gossens, received a bachelor of science degree in cooperative
nursing from Cedar Crest Col-
lege, Allentown, Pa., during
commencement services held
June 5. Miss Gossens was a
member of the International Re-
lations Club and the Si-Oui—Ja
(language) Society, served on the
staff of the ESPEJO (college
yearbook) and was active in col-
lege Y.W.C.A. affairs. She took
her nursing training at the Johns
Hopkins Hospital School of
Nursing, Baltimore, Maryland.

Executive Vice—President W.
K. Chandler is having a try at
big game hunting on an African
safari.

Winner of the second of a se-
ries of monthly medal golf com-
petitions at Zahrani Country
Club was W. E. Locher, who
scored a gross 78. With a handi-
cap of twelve strokes, this gave
him a net 66, four strokes better
than net 70's posted by runners—
up L. A. Ford and Mrs. P. E.
Cole.

A. U. B. FACULTY TOUR

(Continued from page 13)

Mechanics of diesel and turbine
engines, automation, water pro-
cessing and sociological develop-
ments.

A one—hour discussion period
on Government relations, sharia
law and court and police proce-
dures was conducted the follow-
ing morning by Mr. Garrison.

In Beirut, a group of five A.U.B. faculty men, interestedin
pursuing further their study of
Tapline, met on June 9 for dis-
cussions conducted by P. P. Nib-
ley, H. S$. Smith, John O'Hagan
and George Hajjar. Pipeline
economics and personnel admin-
istration were emphasized.

Faculty members who partic-
ipated in the tour and discussons
were: Professor William Flash,
Assistant Dean, Arts and Sci-
ences; Professor Malcolm Kerr,
Public Administration; Mr. Ad-
nan Iskandar, Political Science;
Dr. Robert Pettengill, Econo-
mics; Mr. Elias Saba, Econom-
ics; Mr. Mohammad Atallah,
Economics; Professor Rowland
Illick, Geography; Professor
David Gordon, History; Profes-
sor Issam Ashour, Business Ad-
ministration; Mr. Zuhair Mek-
dashi, Business Administration;
and Professor George Fettar, So-
ciology.

The principal and faculty members of the Marje'youn National
College, pictured outside the Sidon Terminal administration build-
ing during their recent tour of installations here. The group was
accompanied by Mahmoud Saab, of Public Relations. (Photo by
W. S. Ball).