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This newsletter is published at the RAYSEAS-Egypt office in Cairo on a quarterly basis.

We welcome your comments, contributions and ideas.

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**Past Events****Cardiopulmonary Resuscitation (CPR) Training**

CPR training sessions were held in August and September for RAYSEAS-Egypt employees and dependents. Upon completion, attendees were presented with certificates of participation. More training sessions are being planned soon.

**Sparrow PMR-31**

The latest Sparrow PMR was held in Charleston, S.C., on Aug. 4–11. This year's review focused on support equipment, training, training support, technical services and facilities. Among those in attendance was retired Brig. Gen. Shehata Madian, RAYSEAS-Egypt project liaison and staff advisor.

**AMOUN PMR-6**

The AMOUN program conducted its final PMR at IDS Headquarters in Tewksbury, Mass., Aug. 20–31. This was the last scheduled PMR associated with the current receiver upgrade program.

The main topic of discussion during this PMR was the follow-on transmitter productions contract. A detailed scope of work was discussed with representatives from the Egyptian Air Defense Command. The government of Egypt is now actively pursuing this follow-on effort.

**Tom Dougherty — Town Hall Meeting**

Tom Dougherty, managing director of ISS, visited Cairo in September and met with RAYSEAS-Egypt employees to discuss the IO team health



surveys. A majority of the employees attended the meeting. Tom highlighted the importance of these surveys and solicited inputs on how the survey could be improved. Tom also addressed several other topics during the meeting that were brought up during a question and answer period.

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## **ARGUS Presentation by Raytheon ISS and International Defense Solutions Company**



Mark Drengberg, managing director of International Defense Solutions (IDS), and John Dawson, technical advisor for IDS, visited Cairo in September to introduce a new, fully-automated, mobile,

software-defined, state-of-the-art, field-calibration solution called ARGUS. Raytheon ISS is partnering with IDS to address its customers' calibration needs. They conducted a successful meeting with the Government of Egypt (GOE) delegates, and representatives from all of the Egyptian military service branches were in attendance.

### **Upcoming Events**

#### **HAWK IPR-40**

IPR-40 will be held in Cairo on Oct. 22–30, 2007. This conference will address the status of various HAWK programs and associated outstanding issues. Attendees will include delegates from the GOE and the U.S. government, as well as Raytheon representatives. To better meet customer needs, this event is held twice a year — once in the United States and once in Egypt.

### **Program Highlights**

#### **HAWK TA**

The U.S. government and the GOE are finalizing requirements for the HAWK TA program for 2008. Next year's activities will include a HAWK overhaul, MWO implementations, HAWK mobility launcher and NATO loader overhauls, as well as facility support to include the central supply facility, machine shop and power supply depot.

#### **AMOUN**

Receiver kit installation work continues at the site with the assistance of Dan Janik, AMOUN TA. An LOR for follow-on support is in-process. This support will provide for a continuation of the in-country TA into 2008, as well as a funding vehicle for critical spare parts for the AMOUN systems.

#### **A22A Upgrade**

This program is on track with the upgrade of the second A22A test station planned for completion by the end of this year.

With John Galvez joining the A22A program in August 2007, work has progressed rapidly. He is a valuable addition to the RAYSEAS-Egypt team.

#### **Power Supply Workshop**

The new power supply depot is nearing completion. The main building and asphalt paving have been completed. The contractor (Sorensen Gross) will continue cleaning all areas in and around the facility.

The facility was handed over to the military on Aug. 6. The media blast and paint shop buildings have also been completed. The engine dynamometer control computer has been released to the TA at the facility, and it has been used to test one Detroit Diesel Engine.

#### **Sparrow Facility**

The H-Build upgrade program work continues at the facility. To date, 325 H-Build kits have been installed. Earlier this year, commercial power to the facility became unstable. The three Raytheon Missile Systems (RMS) engineers at the facility rose to the challenge and put in many long hours to repair the damage to vital test equipment caused by frequent power spikes and outages. Hats off to the RMS team for keeping the program on track and pursuing customer satisfaction.

An LOR for P&A for 145 Sparrow missiles is currently at NAVAIR awaiting approval.

#### **Employee Profile**

Frank Hooley, HAWK Theatre Readiness Maintenance Facility (TRMF) manager, is currently deployed in Cairo, Egypt.



Frank grew up in Salem, Mass., and graduated from Bishop Fenwick High School in Peabody, Mass., in 1979. He later went on to graduate from Sylvania Technical School in 1981. Frank joined Raytheon Company in 1981 and began his career at Raytheon's mission center in Andover, Mass. While at the plant, he worked his way up from HAWK missile inspector to floor engineer.

In 1995, Frank was transferred to Cairo, Egypt, for two years and worked as a mod-tech at the Arab Republic of Egypt HAWK Depot. In 1997, he accepted the job as manager of the HAWK Mini-CRAF in Abu Dhabi, United Arab Emirates (UAE). After a few years in the UAE, he returned to the U.S. for a brief period and worked at Raytheon's mission center in Tewksbury, Mass. There, he assisted other engineers on various HAWK-related assignments around the world, including facilities in Germany, Jordan and Taiwan. In 2003, Frank became the manager of the HAWK/Patriot facility in Jeddah, Saudi Arabia. He arrived in Cairo in 2004 to begin his current position as the HAWK TRMF manager.

Frank has been married for 16 years. He and his wife, Debbie, and their three children currently live in Egypt. He's an avid sports fan, always keeping an eye on his favorite teams, the New England Patriots and the Boston Red Sox.

## Transitioning Out



Timothy Spencer arrived in Cairo in 1997 to join the RAYSEAS-Egypt (formerly known as RAYMED) HAWK team working in the Hydraulic Repair section of the HAWK Depot.

Upon arrival in Egypt, Tim had more than 23 years of experience working on HAWK systems assemblies, as well as test and overhaul programs. He is highly skilled in the test and repair of electromechanical devices. During his time at the depot, Tim worked on overhaul, testing and repairing of HAWK launcher/loader hydraulic assemblies, preventative maintenance and repair of hydraulic test stations, as well as developing new test procedures. Tim was also involved in the overhaul, test and repair of the HAWK HPI/PAR coolant systems.

Tim was transferred to work at the TRMF starting in 2005. He worked as a TRMF specialist at this facility until his departure in September of this year.

Tim was born in Germany. He and his wife, Laila, have one son, Youssef.

## New Hire

John Galvez is originally from Dallas, Texas. He has a bachelor's degree in electrical engineering with a concentration in communication systems from the University of Texas at San Antonio. He is currently pursuing a master's degree in technology management at the University of Phoenix online.



After receiving his bachelor's degree in 2004, John began working for ETS—Lindgren in Cedar Park, Texas. He was an assistant engineer where his duties included on-site testing and calibration of wireless and semi-anechoic test chambers.

John began working with Raytheon in the spring of 2005 as an electrical engineer for RTSC in El Paso, Texas. His duties mainly consisted of supporting the Patriot program. This covered a broad spectrum of tasks ranging from test and repair, environmental testing, and developing test capabilities and procedures for various subassemblies.

While in El Paso, John also served as an ISO 9001:2000 internal auditor for field operations maintenance support operations and the president of the Raytheon El Paso Diversity Catalyst group. John is currently in Egypt supporting the updated HAWK air defense missile system DTE A22 Console. The work consists of the re-hosting of

electronic test procedures on the Raytheon upgraded A22 Console located at the Arab Republic of Egypt HAWK depot.

## Birthdays (October through December)

Glenn Nelson	Oct. 5
Michael Emery	Nov. 6
Dannie Adams	Nov. 30
Herbert Worley	Dec. 20

## Years of Service

### October 2007



Gary Blaser, 39 years



Larry Dodge, 11 years



Daniel Janik, 9 years



Robert Westman, 24 years

### December 2007



Dannie Adams, 11 years



Francis Hooley, 26 years



John Raftery, 8 years

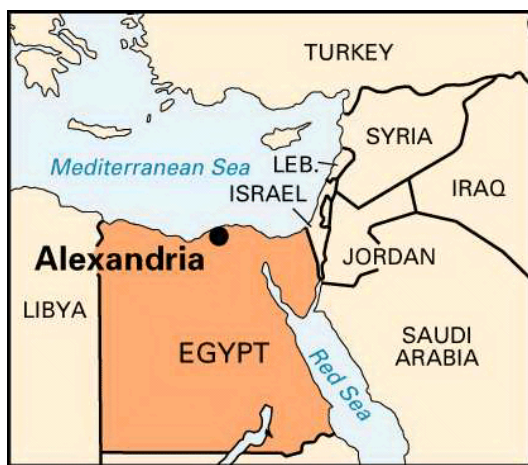
## The Ancient Ankh

Egypt's most well known hieroglyphic sign, the Ankh — the symbol of life — is an enduring symbol that has journeyed through the ancient world into modern times, effecting art, architecture, history and religion. Read more about this powerful icon at: <http://www.touregypt.net/featurestories/ankh.htm>.

## Ancient Egyptian Trivia

Think you know your ancient Egyptian history? Test your knowledge at: <http://egypt.mrdonn.org/trivia.html>.

## Dining and Travel in Egypt Alexandria



Alexandria is the largest port in Egypt and proudly declares its popularity as a summer resort. With history dating back to approximately 330 B.C., Alexandria offers its residents and guests, not only a history full of ancient stories, but also a beautiful climate, many activities and cultural exposure. To read more about Alexandria, visit: <http://en.wikipedia.org/wiki/Alexandria> or <http://www.sis.gov.eg/En/Tourism/famouscities/Alexandria/060602000000000001.htm>.

## Regional, Country and Local News

### American Restaurant Chain Comes To Cairo

<http://www.amcham.org.eg/BSAC/WatchBulletin/Issues/Sep1507.asp>

Ruby Tuesday, Inc., an American casual dining chain, recently announced plans to open six Ruby Tuesday restaurants in high-profile, Nile-side locations over the next four years. The restaurants will be operated by United Food and Beverage, the company's new franchise.

### Ten Vie For Egypt Steel Plants

<http://www.amcham.org.eg/BSAC/WatchBulletin/Issues/Sep1507.asp>

Ten Companies from Egypt, India and the Gulf region placed bids for the construction of four direct reduced iron (DRI) and billet plants in Egypt. The EGP12 billion (\$2.13 billion) plants together will have a combined annual production capacity of 4 million

tons of DRI and 4 million tons of billets to build four steel plants in Egypt, adding some 8 million tons to the industries annual capacity.

Among the companies that submitted bids are Egypt's Ezz Steel, Arcelor-Mittal, Suez Steel, Egyptian Iron and Steel, ITG for Steel, Global Ithar, Alfred for Investment, Mac Holding and Tibah for Iron and Steel.

Egypt, the Arab world's most populous country, went from importing 2 million tons of steel annually less than 10 years ago to exporting 900,000 tons in 2006

## New Electricity Projects on the Way

<http://www.amcham.org.eg/BSAC/WatchBulletin/Issues/Sep1507.asp>

Egypt's Ministry of Electricity and Energy announced plans to sign contracts for the renovation of three electricity power stations in deals worth some € 258.4 million (EGP 2 billion), made possible by generous Arab investments. Stations scheduled for renovation are located in (1) western Cairo, (2) Sidi Kreir in Alexandria governorate and (3) Al Atef in Behira governorate. Renovations are set to include an upgrading of the stations to full capacity operations by 2010, adding 1500 megawatts of capacity to the Sidi Krir and Al Atef stations alone and 700 megawatts of capacity to the station in western Cairo.

## Egypt and China to Manufacture Mobile Phones

The Information Technology Industry Development Agency (ITIDA) and many companies from China signed a \$50 million agreement to establish a joint research and development center to enhance mobile phone functions in Egypt for domestic use and for export. Read full article:

<http://www.dailystaregypt.com/article.aspx?ArticleID=9571>

## Egypt to Develop First Specialized Call Center Service

Egypt's government plans to establish a call center service serving national and international needs. It is in line with the government's focus on implementing "smart villages" as well as the growth of IT in Egypt. Read full article:

<http://www.dailystaregypt.com/article.aspx?ArticleID=9510>

## More News

Stay up-to-date on the latest news in and around Egypt by visiting these sites:

- <http://www.world-newspapers.com/egypt.html>
- [http://news.bbc.co.uk/1/hi/world/middle\\_east/default.stm](http://news.bbc.co.uk/1/hi/world/middle_east/default.stm)
- [http://www.nytimes.com/pages/world/middle\\_east/index.html](http://www.nytimes.com/pages/world/middle_east/index.html)