

題名 ISWI Newsletter – Vol. 1 No. 2  
差出人 George Maeda

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* ISWI Newsletter – Vol. 1 No. 2                               27 November 2009 *
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*           I S W I = International Space Weather Initiative    *
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* This newsletter is published by Professor K. Yumoto          *
* - Director of SERC (www.serc.kyushu-u.ac.jp) at Kyushu University *
* - PI of the MAGDAS Project                                  *
* - Chair of ULTIMA (link near bottom of www.serc.kyushu-u.ac.jp) *
* under a mandate from the ISWI. The ISWI, in turn, is carried out *
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* The governing body of ISWI and its newsletter is the        *
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* For more information on the ISWI, please visit the ISWI website: *
*           www.iswi-secretariat.org                            *
* (The ISWI website is maintained independently of the ISWI Newsletter.) *
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* The Editor-in-Chief of the ISWI Newsletter is Mr. George Maeda *
* (maeda@serc.kyushu-u.ac.jp). If you wish to contribute a piece to *
* the newsletter, you should write to him.                     *
*                                                                 *
* Views expressed in this newsletter do not necessarily reflect official *
* positions of the ISWI ---- unless expressly stated. This newsletter *
* does not have any fixed release schedule -- it is issued when the need *
* arises. Eventually, it will be archived at some website so that *
* back issues can be accessed.                                  *
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* Attachments will always be kept below 3 MB.                 *
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Attachments:  
 One 705 KB pdf provided by  
 Messrs. Morris Cohen, Ben Cotts, Naoshin Haque, Umran Inan  
 of Stanford University.

Dear ISWI Participant:

The second issue of the ISWI Newsletter features information on the AWESOME Network. The attached pdf and the text below comes from the AWESOME group at Stanford University. If you have any questions about the pdf or text or both, please contact this Stanford group directly.

The first issue of the ISWI Newsletter went out to 288 subscribers.

Best regards,  
 George Maeda  
 Editor-in-Chief, ISWI Newsletter  
 Fukuoka, Japan.

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 Editor's Note: The following text was received on:  
 \_\_\_\_\_ Thu, 29 Oct 2009 16:19:20 -0700

Title: VLF/AWESOME Workshop held in Tunis, Tunisia, May 2009  
From:  
Morris Cohen, Benjamin Cotts, Naoshin Haque, Umran Inan /  
Stanford University, California, USA.

The first international workshop entitled "Advancing VLF Science through the Global AWESOME Network" was held in Tunis, Tunisia, from 30-May through 01-June. The workshop brought together 38 participants from 20 countries, including USA, Tunisia, Algeria, Azerbaijan, Cyprus, Egypt, Ethiopia, France, Greece, India, Libya, Malaysia, Mongolia, Morocco, Nigeria, Saudi Arabia, Serbia, Turkey, UAE, and Uzbekistan.

ELF/VLF radio science (frequencies between 300 Hz and 30 kHz) has extremely broad applications to geophysics, since VLF waves are uniquely sensitive to changes in the ionospheric D region, particularly at nighttime, and is the only means of continuous remote sensing of lower ionospheric and magnetospheric conditions. Our Earth's natural environment is also rich with naturally generated ELF/VLF waves, like sferics and tweeks from globally distant lightning strokes, and whistlers, chorus, and hiss from electromagnetic waves in the magnetosphere.

Recently, the ELF/VLF receiver developed at Stanford, known as the Atmospheric Weather Electromagnetic System for Observation, Modeling, and Education (AWESOME) has become a key participant in the IHY/UNBSS/ISWI instrument distribution program. Following the growth of the global AWESOME network, an international workshop series is being developed to foster collaborations and global measurement campaigns.

The three days of workshops in Tunis included a series of intensive tutorials on topics that included lightning, sprites, electron precipitation from the radiation belts, gamma-ray bursts, the global electric circuit, ionospheric chemistry, geomagnetic and solar activity, earthquake effects on the ionosphere, and VLF remote sensing of ionospheric and magnetospheric conditions.

The workshop schedule also included contributed talks from many of the participants, on the various new projects now being explored in this new global collaboration. Finally, hands-on data exercises enabled the participants to work directly with data and discuss their results.

Having concluded the workshop, the VLF/AWESOME network is seeking to expand the number of collaborative opportunities and chances for global coordinated campaigns, such as SGR observations, the 22-July 2009 total solar eclipse, the Summer 2009 Eurosprite campaign, and various other projects. Partnerships with other instrument arrays that may collaborate with AWESOME hosts are encouraged to explore these opportunities.

Finally, the VLF/AWESOME program from Stanford University now has a new revamped website, with information on our program and the receiver, the recent Tunis workshop, and lots more. The address is <http://www-star.stanford.edu/~vlf/awesome.html>. We invite comments or questions from potential collaborators or interested parties.

Sincerely,

Morris Cohen, Ben Cotts, Naoshin Haque, Umran Inan  
Stanford University  
Scientific Organizing Committee  
VLF/AWESOME Workshop  
Tunis, Tunisia



STANFORD AWESOME WORKSHOP  
*ADVANCING VLF SCIENCE THROUGH  
THE GLOBAL AWESOME NETWORK*  
30-MAY TO 01-JUN, 2009  
TUNIS, TUNISIA  
HOSTED BY TUNIS EL-MANAR UNIVERSITY

