

WAP

28/03/2004 Special Edition n°8

W.A.P. Bulletin 164

WWW.DDXC.NET/WAP

A. A. Week MAIN ACTORS

THIS NUMBER

EDITORIAL

Gianni Varetto,
I1HYW,

DX News

Max Balsamo,
IK1GPG

BASE

DISCOVERING ANTARCTICA
by I1HYW

Forum

Mail & Forum activity



Dynamic Dx
Charterhouse

Editorial

7° WAP Special Edition

By Gianni, I1HYW

Hi Folks,

Last November 2003, Argentina did celebrate the 50th Anniversary of the death of the well known Vicecomodoro Gustavo Argentino Marambio, who lost his life in an aero accident, happened in a place called Campo de Las Cruces, Argentina.

Vicecomodoro Gustavo Argentino Marambio was a very special person, who has bind his name to the Antarctic epoch making, a man who have done a lot for Antarctica.

During the celebration, in the City of Villa Mugueta, on the Department of San Lorenzo, in the Province of Santa Fe, Argentina, a monument was unveiled in honor of him with the presence of the Authorities.

The accident did happen the 12th November 1953 at about 09:00 local, following a collision at 1500 meters of altitude, between two aircrafts; one a DE HAVILLAND DOVE Matricula T-82, belonging to the I Brigada Aérea de El Palomar, on which G.A. Marambio was the Aircraft Commander and a JUNKERS JU-52 Matricula T-159 from the Escuela de Aviación Militar.



2004 - AÑO DE LA ANTARTIDA ARGENTINA

(Decreto 46/2004 del Poder Ejecutivo Nacional)

The celebration will continue through the new year, as 2004 represents 100 years of Argentine presence in the Antarctic Continent, and by a decree, 2004 has been proclaimed ARGENTINE'S ANTARCTICA YEAR.

To recall this Anniversary, we have thought that some-

thing could have been done, simply because the entire world recognize the importance of the Antarctic studies. Marambio Base is strategically significant, as it is one of the few Antarctic Bases that, in spite of the climate are open 12 months a year.

One of its task, is to support several national and international scientific missions by co-operation with other Argentine Bases, and often giving supports to foreign Country's Bases.

We wanted to celebrate our appreciation to the people and scientists who works



down there.

We wanted to stay close to them.

We did wish to appreciate in some ways, the efforts done by the Governments to sustain their National Research Departments, to work hard to protect one of the last uncontaminated world's corners!

WAP (Worldwide Antarctic Program) has launched the initiative of the 1st Antarctic Activity Week with the aim of promote the attention of what is happening in Antarctica.

It was celebrated last 22nd-28th of February.

We have received several hundred of appreciation, but also we have heard about poor comments!

There were stations operating for one week, using special Call signs, having as suffix, three letters: ANT.

Yes, ANT as ANTARCTICA, with the only purpose of keeping the interest among Antarctic Continent, awake!

That was our goal, we succeed, and in spite of those who complains ... we are happy to have reached the target!

Thanks to all of those who have trust and supported us.



SPECIAL NOTES

W.A.P. Bulletin Special Edition

is a free distribution Edited by Egi, IZ8BRI.

W.A.P. Worldwide Antarctic Program
Antarctic and Sub-Antarctic News

Bases, Activities and Informations for Amateur Radio Stations
and Antarctic Enthusiasts Bulletin nr.164
(28 February 2004)

Edited by Gianni Varetto I1HYW, Massimo Balsamo IK1GPG, Betty
Sciolla IK1QFM WEB Page : <http://www.ddxc.net/wap> or
<http://www.ddxc.net>

Others Antarctic WEB Pages with our WAP Bulletin
<http://www.ddxc.net> <http://qsl.net/f5nod>

NEWS ANTARCTIC DX

by
IK1GPG

LU1ZV (ARG-04) ARMY EJERCITO ESPERANZA - Punta Foca, Esperanza Bay
Aldo was active Sunday 22nd of February in the celebration of the yearly "DIA DE LA ANTARTIDA ARGENTINA" and the 1st 100 years Anniversary of the Argentine presence in Antarctica(1904/2004).
QSL —> LU4DXU (Horacio E.Ledo, P.O.Box 22, 1640 Martinez, BA, Argentina)
E-mail: lu4dxu@hotmail.com

WEB pages: <http://www.qsl.net/lu8adx/antartida/antartida.htm>

Last spots in the Packet Cluster:

CT1EEB 14215.0 LU1ZV Esperanza
Base/Antarctica 2011 22 Feb 2004
PY3NZ 14205.0 LU1ZV BASE ESPERANZA IN
100 YEARS 2153 22 Feb 2004

LU1ZG (ARG-06) ARMY GENERAL BELGRANO II - Nunatak Bertrab(Vashel Bay)
Operator is active now.

QSL —> LU4DXU (Horacio E.Ledo, P.O.Box 22, 1640 Martinez, BA, Argentina)
E-mail: lu4dxu@hotmail.com

WEB pages: <http://www.qsl.net/lu8adx/antartida/antartida.htm>

LU1ZD (ARG-08) ARMY GENERAL SAN MARTIN - Peninsule Palmer

Paulo was active Sunday 22nd of February in the celebration of the yearly "DIA DE LA ANTARTIDA ARGENTINA" and the 1st 100 years Anniversary of the Argentine presence in Antarctica(1904/2004).
QSL —> LU4DXU (Horacio E.Ledo, P.O.Box 22, 1640 Martinez, BA, Argentina)
E-mail: lu4dxu@hotmail.com

WEB pages: <http://www.qsl.net/lu8adx/antartida/antartida.htm>

Last spots in the Packet Cluster:

EA7ST 14200.0 LU1ZD ANTARTIDAA
1925 22 Feb 2004
F5NOD 14200.0 LU1ZD WAP ARG09 PRI-
MAVERA op Paulo 1958 22 Feb 2004
CT1EEB 14210.0 LU1ZD San Martin
Base/Antarctica 2010 22 Feb 2004

AY1ZA
(ARG-17) NAVY ORCADAS - Laurie Island
Henry LU4DXU was active from 31 January 2004 to 20 February 2004.

QSL —> LU4DXU
(Horacio E.Ledo, P.O.Box 22, 1640 Martinez, BA, Argentina)



WEB pages:

<http://www.qsl.net/lu8adx/antartida/antartida.htm>

Last spots in the Packet Cluster:

K0BWJ 14250.0 AY1ZA HENRY
0051 31 Jan 2004
PY3SB 7053.0
AY1ZA south
orkney
0713 02 Feb 2004
EA5RM 21070.0
AY1ZA PSK31
weak
1822 04 Feb 2004
AH7G-@ 14195.0



AY1ZA So Orkneys, gud sig in Hawaii,0840 05
Feb 2004
WK3N 3797.4 AY1ZA few takers 57 NWPA
0737 10 Feb 2004
DS2BGV 14088.0 AY1ZA QSX 14095.00 RTTY
UP GUD SIG 1128 11 Feb 2004
I1APQ 18140.0 AY1ZA qsx 145 - tnx new
one Horacio.1940 15 Feb 2004
K5XX-@ 24940.0 AY1ZA
2302 15 Feb 2004

LU1ZA (ARG-17) NAVY ORCADAS - Laurie Island
Anibal is active now.
QSL —> LU4DXU
(Horacio E.Ledo, P.O.Box 22, 1640 Martinez, BA, Argentina)

E-mail: lu4dxu@hotmail.com

WEB pages: <http://www.qsl.net/lu8adx/antartida/antartida.htm>



LU3DO/Z (ARG-17) NAVY ORCADAS - Laurie Island
Martin LU5DO, medical doctor at the base, will be active until March 2005.

QSL —> LU4DXU (Horacio E.Ledo, P.O.Box 22, 1640 Martinez, BA, Argentina)

E-mail: lu4dxu@hotmail.com

WEB pages: <http://www.qsl.net/lu8adx/antartida/antartida.htm>

LU1ZI (ARG-22) TENIENTE JUBANY - Potter Bay
(Bay of Guardia Nacional)

Operator is active now.
QSL —> LU4DXU (Horacio E.Ledo, P.O.Box 22, 1640 Martinez, BA, Argentina)

E-mail: lu4dxu@hotmail.com

WEB pages: <http://www.qsl.net/lu8adx/antartida/antartida.htm>

LU4ZS (ARG-23) VICECOMODORO MARAMBIO - Marambio Island (Seymour Island)

QSL —> LU4DXU (Horacio E.Ledo,
P.O.Box 22, 1640 Martinez, BA,
Argentina)
E-mail: lu4dxu@hotmail.com
WEB pages:
<http://www.qsl.net/lu8adx/antartida/antartida.htm>

VK0DX (AUS-06) ANARE
DAVIS - Ingrid Christensen Coast
Finn (VK4LL-OZ2QK) is active from
18 November 2003 and until
December 2004.
QSL —> VK0DX (Finn Olsen, P.O.Box
1544, Brisbane 4001, Australia)
E-mail: vk0dx@hotmail.com
WEB pages:
<http://www.qsl.net/vk0dx/>
Last spots in the Packet Cluster:
RA4HT 14195.0 VK0DX
Davis Base, Finn
1459 23 Feb 2004
UA4HBW 14196.0 VK0DX
Antarctida for DXCC
1512 23 Feb 2004

LZOA (BUL-02) ST.KLIMENT
OHRIDSKI - Livingston Island
Danny LZ2UU is active now and until
February 2004.
* QSL —> LZ2UU (Jordan Radkov
Yankov, P.O.Box 196, 7200 Razgrad,
Bulgaria)
Last spots in the Packet Cluster:
W8FJ 7002.4 LZOA
QSX 7002.4
0510 02 Feb 2004
PY2IRL 7043.0 LZOA 59
0050 07 Feb 2004
W6OAR 3797.5 LZOA
0142 07 Feb 2004
AC7ZG 7034.6 LZOA
RTTY
0811 14 Feb 2004
WK6I 21086.1 LZOA
0105 15 Feb 2004
K3ND 28047.0 LZOA
1320 21 Feb 2004



KC4/I0HCJ (ITA-01) TERRA
NOVA BAY - Pennell Coast, Ross Sea
Region
Fabrizio was active until 09 February
2004 during the 19° PNRA Antarctic
Expedition

QSL —> I0HCJ Fabrizio
Marincola, Sorelle Marchisio 23, I-
00168 Roma, Italy)
WEB pages:
<http://www.gdargaud.net/Antarctica/TerraNova.html>
WEB pages: <http://www.italiantar-tide.it/default.asp>
Last spots in the Packet Cluster:
I1HYW 14180.0 KC4/I0HCJ
Fabrizio @ Terranova Bay 1802
05 Feb 2004
IK8OZZ 14185.0 KC4/I0HCJ
terranova bay antarctica 1720
07 Feb 2004
IK1NEG 14195.0 KC4/I0HCJ
TERRA NOVA BAY
1754 09 Feb 2004



IROPS (ITA-01) TERRA NOVA
BAY - Pennell Coast, Ross Sea
Region Filippo IK0AIH, Michele
IK7JGQ, Fabrizio I0HCJ was active
since 26 February during the 19°
PNRA Antarctic Expedition.
QSL —> IK0AIH (Filippo Corbelli, Via
degli Aceri 8, I-00062 Bracciano,
Roma, Italy)
WEB pages:
<http://www.gdargaud.net/Antarctica/TerraNova.html>
WEB pages: <http://www.italiantar-tide.it/default.asp>

Last spots in the Packet Cluster:
IK8OZZ 14185.0 IROPS
Baia Terranova
1750 27 Jan 2004
IZ8BRI 14195.0 IROPS
Baia Terranova
1736 30 Jan 2004
IK2IQD 14185.0 IROPS
also
1801 03 Feb 2004
I1HYW 14185.0 IROPS
Antarctica WAP-ITA001
1800 12 Feb 2004
K7MTR 18135.8 IROPS
op: Fab - via I0HCJ
0103 22 Feb 2004
IK8OZZ 14188.0 IROPS/MM
"ITALICA"SHIP IN ANTARCTICA
1831 25 Feb 2004
I1HYW 14188.0 IROPS/MM
on board of ITALICA Polar Ship 1012

25 Feb 2004
F5NOD 14188.0 IROPS/MM
ITALICA POLAR SHIP
1837 26 Feb 2004
F5NOD 14188.0
KC4/IK7JGQ/MITALICA Polar ship
1901 07 Feb 2004

8J1RL (JAP-04) NIPR SYOWA
- East Ongul Island
Shiba san is active now.
QSL —> JA QSL Bureau
WEB pages:
http://www.jarl.or.jp/English/4_Library/A-4-7_8j1rl/2002/frame.htm
Last spots in the Packet Cluster:
IK1YMF 14185.0 8J1RL cq
cq cq 1744 10 Feb 2004
IK8OZZ 14185.0 8J1RL Obi from
Syowa Base(WAP jap_041757 10 Feb
2004

HF0POL (POL-02) HENRYK
ARCTOWSKI - King George Island
Andy is active now.
(<http://www.qsl.net/hf0pol> or
<http://qtc.radio.org.pl>)
QSL —> SP2GOW (Andrzej Grotha,
ul Mikolaja Gomolki 5 m 1, 80-279



Gdansk Poland)
Last spots in the Packet Cluster:
JH0HQP 14195.0 HF0POL
cq fb
0120 06 Feb 2004
PY5ZHP 14305.0 HF0POL
2255 10 Feb 2004
WV9S-@ 14194.9 HF0POL
up 14200-14205 Andy SP2GOW
0213 18 Feb 2004
K1KI 14020.0 HF0POL
0012 20 Feb 2004
IZ5CML 14195.0 HF0POL
57 jn53
0008 21 Feb 2004

HF0QF (POL-02) HENRYK
ARCTOWSKI - King George Island
Voytek SP5QF is active now and until
December 2004.
(<http://www.qsl.net/hf0pol> or
<http://qtc.radio.org.pl>)

QSL —> SP7IWA (Wanda Jakubowska, Ul.Dewonska 14/3, 25-637 Kielce, Poland)

Last spots in the Packet Cluster:

SP2FAX 3799.7 HF0QF
South Shetlands
0330 02 Feb 2004
F5NOD 14192.0 HF0QF
s.shetland, arctowky base 1851
07 Feb 2004
IV3VBM 7047.7 HF0QF
Via SP7IWA
0243 23 Feb 2004

R1ANF (RUS-01) SAAM
BELLINGSHAUSEN - King George Island

Oleg UA1PBA, Slava UA1PAI and Aleksei UA1PAW are active now.

QSL —> RK1PWA (Nick Shapkin, P.O.Box 73, 164744 Amderma, Arkhangelskaja, Russia).

Last spots in the Packet Cluster:

DL2YN 18074.6 R1ANF
1808 01 Feb 2004
W0KCF 18100.0 R1ANF
PSK31 good signal
0011 09 Feb 2004
KE7RR 14070.8 R1ANF
Alex Bellingshausen Base, 0140
09 Feb 2004
W5JAW 28021.5 R1ANF
1753 10 Feb 2004
PA0HVF 14070.5 R1ANF
2353 13 Feb 2004



R1ANB (RUS-11) SAAM
MIRNY - Guillaume II Coast
Wally RU1ZC is active now and until 2004 with this club station Callsign.
QSL —> RU1ZC (Valentin Mykitenko, Akademgorodok 2 1, 184340 Loparskaya, Russia).

E-mail: KB2IST@AOL.COM

Last spots in the Packet Cluster:

JJ2CJB 18124.0 R1ANB
0930 01 Feb 2004
N6OC-@ 7006.2 R1ANB
via RU1ZC
1429 02 Feb 2004
AA7CQ 7009.0 R1ANB

1354 07 Feb 2004
IK8GYS 14160.0 R1ANB
qsl via ru1zc
1656 10 Feb 2004
UA1ALL 14160.0 R1ANB
Antarktida
1520 15 Feb 2004
VA3PWC 14006.0 R1ANB
qsl via RU1ZC
0151 20 Feb 2004
DS5RYB 18070.5 R1ANB
CQ CQ
0804 26 Feb 2004
N9MM 7007.0 R1ANB
Antartic
1311 27 Feb 2004

R1ANZ (RUS-11) SAAM
MIRNY - Guillaume II Coast
Wally RU1ZC is active now and until 2004 with his private Callsign.
QSL —> RU1ZC (Valentin Mykitenko, Akademgorodok 2 1, 184340 Loparskaya, Russia).
E-mail: KB2IST@AOL.COM

EM1U (UKR-01) ACADEMI-
CIAN VERNADSKY BASE - Galindez Island
Keii JA6KTY and Sanae JF6PMO are active.

ANTARCTICA - have been active as EM1U from QSL —> JA6KTY

WEB pages:

<http://www.qsl.net/em1u/>

<http://www.antarctida.kiev.ua/english/>

<http://home.t-online.de/home/Purtz-Guestrow/stationen3a.html>

Last spots in the Packet Cluster:

F51DJ 14250.0 EM1U
KC4 OP JA6KTY VIA QRZ.COM
1941 05 Feb 2004
IK1NEG 14250.0 EM1U
Vernadsky Base (WAP UKR-01)
1956 05 Feb 2004

EM1UA (UKR-01) ACADEMI-
CIAN VERNADSKY BASE - Galindez Island
Roman UT7UA is active now with his private Callsign.
QSL —> JA2JPA (Taka Ajiro, 2-14-18 Doubayashi, Shimizu, Shizuoka 424-0851 Japan).
E-mail: taka.gogo@dream.com

KC4AAA (USA-37) USN MARS
AMUNDSEN-SCOTT - South Pole
Nikolai UA3YH/AB0KG is active now.
QSL —> K1IED (Larry F.Skilton, 72

Brook Street, South Windsor, CT-06074, U.S.A.).

<http://mitglied.lycos.de/mapu2001/n.sf.html>

E-mail: k1ied@cox.net



KC4USV (USA-38) USN MARS
MC MURDO - Ross Island
Mike is active now.

QSL —> K1IED (Larry F.Skilton, 72 Brook Street, South Windsor, CT-06074, U.S.A.).

KC4AAC (USA-40) USN MARS
PALMER STATION - Anvers Island
Operator is active now.

QSL —> K1IED (Larry F.Skilton, 72 Brook Street, South Windsor, CT-06074, U.S.A.).

VP8CMH/MM Polar Ship
Mike is active.

QSL —> GM0HCQ

Last spots in the Packet Cluster:

G4OBK 14014.1 VP8CMH/MM
Mike QTH 71s - 82w
2011 03 Feb 2004
F5NOD 14014.0 VP8CMH/MM
James Clark Ross Polar ship 2035
03 Feb 2004
ON6YX 14019.9 VP8CMH/MM
op Mike : 61/MM op. Mike
0931 10 Feb 2004
OE3ZK 14019.7 VP8CMH/MM
53S/59W via GM0HCQ
2209 12 Feb 2004
OE3ZK 14019.0 VP8CMH/MM
Mike QTH 57s/41w
2020 23 Feb 2004
F5JRY 14018.8 VP8CMH/MM
qsl GM0HCQ simplex
2033 23 Feb 2004
DJ0JE 14016.0 VP8CMH/MM
57xS/40xW via gm0hcq
2011 24 Feb 2004
PY2NB 28019.8 VP8CMH/MM
OP.MIKE IN QTH 56S / 42W-
1504 26 Feb 2004

DISCOVERING ANTARCTICA

Thanks to Mrs. Adele Irianni, from ENEA CR Casaccia & ANTA-SCI on behalf of the Italian PNRA (Programma Nazionale di Ricerche in Antartide) www.pnra.it which have granted permission, we are proud in publishing this issue of **Discovering Antarctica**, where some useful information of the Italian Studies and Expeditions done by ENEA and PNRA in Antarctica are available, in order to let our Antarctic readers known about such a huge involvement.

This time we are reviewing the Italian history, from the signature of the Antarctic Treaty (1981) and the subsequent first Italian Antarctic Expedition (1985), till the seventh one, dated 1992.

THE ITALIAN NATIONAL ANTARCTIC RESEARCH PROGRAMME (PNRA)



A delegation of Adélie penguins welcoming the Fifth Expedition.

The Italian government signed the Antarctic Treaty on May 18, 1981. On June 10, 1985, Law 284 which set up the National

Antarctic Research Programme (PNRA) was approved.

The funds appropriated were equivalent to US \$ 190 million.

The Programme under the aegis of the Ministry of Universities and Scientific and Technological Research (MURST) entailed research activities in the 1985-91 period with the aim of ensuring Italy's participation in the Antarctic Treaty.

At end 1991, Law 380 was approved, extending the activities which had been launched with an additional funding equivalent to US \$ 325 million over the 1991-96 period.

The research programme includes the following disciplines: Earth Science, Physics of the Atmosphere, Cosmology, Biology and Medicine, Oceanography, Environmental Science, Technology. The focus has increasingly been on the study of global phenomena within the atmosphere, biosphere and geosphere. The National Agency for New Technologies, Energy and the Environment (ENEA), with the scientific advice of the National Research Council (CNR), is responsible for the implementation of the programme. ENEA also integrates the programme with technological objectives. Universities and other Italian research organizations such as the OGS (Experimental Geophysical Observatory of Trieste), ING (National Institute of Geophysics), ICRA (Central Institute of Scientific Research and Technology Applied to Sea Fishing) supply personnel and part of the equipment. A

number of Ministries are involved in the Programme's implementation. The Defence Ministry, e.g., gives support in the training of the candidates, assigns specialized personnel and develops specific research subjects in hydrography (the Navy Hydrographic Institute), map-making (Military Geographic Institute), meteorology and flight operations (Air Force).

Following the enactment of Law 284 which established the National Research Programme in Antarctica, in the period 1985-1991 seven Italian scientific expeditions were completed and a permanent station in Antarctica was set up. Many scientific and technological research activities have since been organized.

The first expedition (1985-86) identified the site for the station and started scientific research activities in Terra Nova Bay.

The second expedition (1986-87) began the construction of buildings in the station and gave a strong stimulus to the scientific activities.

The results achieved enabled Italy to be accepted as a Consultative member of the Antarctic Treaty (October 1987).

The third expedition (1987-88) extended the station and further developed scientific activities, especially in marine biology (the first Italian oceanographic programme in the Ross Sea) and in marine geophysics. The ship *Explora* carried out the first of five geophysical programmes and was later acquired by the Osservatorio Geofisico Sperimentale of Trieste and given the name OGS *Explora*.

In September 1988, Italy became a member of SCAR, during the 20th SCAR Meeting held in Hobart (Australia).



During the fourth expedition (1988-89) the station was enlarged and scientific activity was especially lively in the earth sciences.

During the fifth expedition (1989-90), important surveys were carried out in deep sea marine biology in the Ross Sea along with geophysical surveys in the Weddell and Ross Seas.

The OASI astronomical observatory was also set up; a Digital Vax 3800 processor linked via satellite to the ENEA centre in Casaccia (Rome) was installed; a terminal receiving AVHRR signals which makes it possible to register surface temperature maps of the Ross Sea and thus give information on the ice covering the sea was also set up.

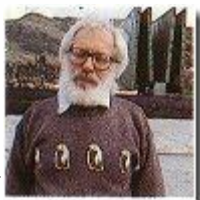
During the sixth expedition (1990-91) marine geology and meteorite collection were very successful. A new logistic improvement was the installation of an experimental automatic system including a power generator, a computer with two-way communication lines (HF and Inmarsat) to monitor five scientific observatories and for the collection and the processing of data. The fuel storage capacity of the Italian station was also doubled.

The seventh expedition (1991-92) was the last of the first multi-year research plan. It was a small expedition in terms of personnel and duration. In Terra Nova Bay, efforts were focused on the observatory activities and a large fuel supply was provided, approximately 1,000,000 litres.

OGS Explora carried out geophysical research in the seas surrounding the Antarctic Peninsula.



Mario Zucchelli was the Leader of the Italian Antarctic Project



Roberto Cervellati was the scientific Coordinator of the Italian Antarctic Project

Readers can visit now, the **Polar Ship Gallery** located on both web sites www.ddxc.net and www.ddxc.net/wap. If you have pictures to add to our Galleries, just scan them and send by e-mail to our **Dinamic DX Charterhouse**. **DISCOVERING ANTARCTICA**

Antarctica Activity Week



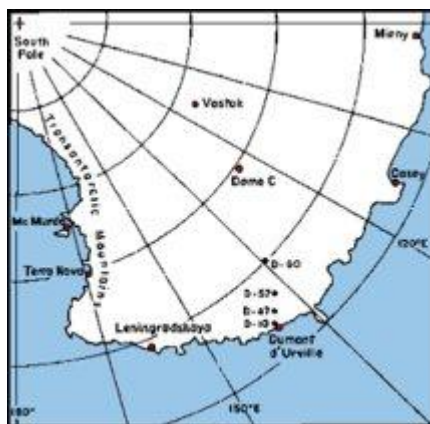
This was the call operate by the Formia DX team during the recent Antarctic Activity Week.

DISCOVERING ANTARCTICA II

DOME C. Base also Known as CONCORDIA Station

by Gianni Varetto 11HYW

This article has been taken from www.gdargaud.net/Antarctica/DomeC.html web site, one of the best URL originated from Jennifer and Guillaume Dargaud to whom I want to express my personal thanks. The articles written here on the WAP, **Worldwide Antarctic Program's web site** have educational purpose and the aim of satisfying the natural requests of information from the Amateur Radio Community, as well as from the Antarctic chasers.



We thanks though immensely Mrs. And Mr. Dargaud, for the incredible amount of work they have done to fill their wonderful web site.

The needs of knowing more about Dome C, has to be connected with the fact that last January 5th 2004, we have worked on 14.185MHz, one of the researcher: **Dr. Filippo Corbelli** known as **IAOPS**, **IROPS** and also as **IKOAIH**, who is involved into the Antarctic Program at the Italian research station, named Terra Nova Bay.

Filippo, after having travelled from BTN (Baia Terra Nova), where the Italian scientific Camp is located, heading North West, has reached Concordia Station, also known as Dome C. Base, where the works continue to complete the installations, on the three floors buildings, which will be ended by next year. From there he did show up on the air as **KC4/IKOAIH/P**.

I will let you relaxing by reading the following Technical and Geographical information provided by the over mentioned www.gdargaud.net/Antarctica/DomeC.html web site.

Located on the high polar plateau at equal distance of Dumont d'Urville (France) and Terra Nova Bay (Italy), Dome C is one of the coldest places on earth. Both its altitude (3280m) and its location near the pole (latitude 74.50S, longitude 123.00E) ensure cold summers (December-January with permanent sunlight and a

temperature between -20 and -40°C) and cold winters (April-September with permanent darkness and a temperature ranging between -40 and -80°C).

Although Antarctica is known for its infamous katabatic winds, there is very little wind in **Dome C**, an average of 3 m/s with peaks around 15 m/s. This is due to the fact the **Dome C** is a local summit where katabatic winds usually start. It may be a summit, but it looks perfectly flat, with a perfect horizon spanning 60 km away.

The ground is made of snow, with small sastruggis a few centimetres in height and a couple meters in length. When the temperature drops, the humidity settles down in the form of light and brittle ice crystals on the ground and other cold surfaces.



The closest neighboring station, is the Russian Vostok station, 550 km away, after that you have Dumont d'Urville and Terra Nova at about 1100 km, and the pole at 1765 km. The combination of high altitude, clean air and low humidity makes it a perfect outpost for atmospheric scientific research. Traverses have been going to **Dome C** from Dumont d'Urville on a regular basis for the last 10 years and there are now three traverses each summer. They brought all the equipment necessary to first open the **newly named Concordia Station**, for summer campaigns at the end of 1996. The station has been open every summer ever since and is scheduled to open for winter-overs within a few years, after the completion of the two big winter buildings.

The station grows a little each year and in 2000 had the form of somewhat disorganized set of tents, shelters, containers, vehicles, caves... The main 'life' building is a set of about 10 ISO containers welded together in a long line that contains the hospital, some rooms, a TV room, the restaurant, the kitchens, some bathrooms, some food storage, the radio room and head office. Among the many tents are some big ones: the old mess tent, now used as a free-time place; the big ice-drilling tent with an adjoining workshop tent; four big tents sleeping 6 people each. The traverses have been bringing a lot of gear in the last five years and the station is changing fast as new buildings are added to replace the temporary tents. The other big structure is one of the two Concordia buildings which construction started in December 1999. At the end of the summer it was a 15m high metal framework located 300m west of the 'life' building on a 5m high snow platform. Those buildings will house the permanent station bound to open for winter-over in a few years.

chosen because the dominant wind comes from the south-east. Access to the site is done by snow-machine when those are available and not frozen or by foot when air quality analysis are underway. The site needs to be clean of noise for the Sodar (acoustic device), clean of dust and chemicals for the air analysis (Epica and atmosphere chemistry), clean of turbulence for the low-level wind measurements (Meteoflux and CR-23). 300m south of the site is only a 15m deep cave containing seismometers. Further south is being defined as a 'clean zone' with restricted access for ice analysis, ice flow studies...

The site experiment itself is centered around a small 3x4m tent with heating (important for the computers and the people working inside !). Several experiments were setup near the tent: the mast of the Meteoflux and the CR-10 was pitched about 30m south of the tent. The Sodar antennas were laid on wooden boards about 25m South-East and South-West of the tent. All four approximately form a square. The cables carrying the data and the power were simply laid on the snow and by the end of the summer they had disappeared under a few cm of accumulated and hard-packed snow. It was hard to get those frozen cables out without doing some damages.

During the summer other experiments were installed. First one was a pump for the analysis of atmosphere particles and chemistry; it ran for about 3 weeks and was dismantled. Then a 15m high mast for meteorological studies was setup 100 east of the tent. This experiment should hopefully run through the winter.

The article is ending here.... but visiting the www.gdargaud.net/Antarctica/DomeC.html you can discover lots more, and don't forget to think of how much hard work **Guillaume and Jennifer** have done; hard work for which we thanks them again immensely. Hereby enclosed are the Dargaud's recommendation on how to use the material shown on their web site.

You can freely reproduce some for **educational purpose** (just don't forget to quote my name properly). 'some' meaning no more than 3 per site.

You can also use some on your **non commercial web sites** (just write my name *and* put a link to my site). 'some' meaning no more than 3 per site.

You can also remotely display some images inside **weblogs** (just write my name *and* put a link to my site).

Dome C. or **Concordia Station** is located approximately at: **75° 06' 06" Latitude South, 123° 23' Longitude East.**



E-mail and Forum Activity

MAIL BOX

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1st Antarctic Activity Week 22nd-28th February 2004

Born from an idea of the Hams and volunteers people, working for WAP Staff, the idea of an A.A.W. did materialize with excellent results.

We have no reports of some calls which should have been on the air as well, those are:

DA0ANT, IR9ANT, IR6ANT. We know there was problem for them, but nevertheless the ANT Team did perform greatly!

TMOANT by F5NOD & F6KDF Club

OSL via F6KDF Direct or Bureau

ED2BAE by EA2RC & EA2EC

OSL via EA2RC Direct or Bureau

IR0ANT by IZOEGC

OSL via DE0MST Bureau - IZOEGC Direct

IR1ANT by I1HYW

OSL via DE0MST Bureau - I1HYW Direct

I16ANT by I6DHY

OSL via DE0MST Bureau - I6DHY Direct

I17ANT by IZ7AUH

OSL via IZ7AUH Direct only

IR8ANT by I8ACB

OSL via DE0MST Bureau - IK8OZZ Direct

IO8ANT by IK8WEJ

OSL via IK8WEJ Direct or Bureau

.....
I17ANT, Davide Spadafina, P.O.Box

2224/Taranto 05, I-74100 Taranto, Italy

DE0MST, Manfred Stippshild, P.O.Box 1406, D-83657 Lenggries, Germany

Last spots in the Packet Cluster:

EA7HZ 7066.4 ED2BAE Special

OSL Antartic Base 1205 22 Feb 2004

EA7HY 3798.0 ED2BAE special

call week antartic 2220 24 Feb 2004

DL8AAM 14250.4 ED2BAE ses

Antarktika Week 1201 27 Feb

2004

F5JKK 14082.6 I16ANT RTTY pre-

fix 1616 19 Feb 2004

PA0WRS 14086.1 I16ANT Rtty

0844 20 Feb 2004

SQ5RK 14084.7 I16ANT RTTY

Antarctica via DE0MST 1032 23 Feb 2004

IZ6CLZ 3586.0 I16ANT CQ RTTY

2100 23 Feb 2004

IK4QIB 18106.0 I16ANT rtty spec

call 1153 25 Feb 2004

F8BBL 14083.3 I16ANT REVERSE

RTTY 0825 27 Feb 2004

DL1DAW 14278.0 I17ANT spec.

event, not antartica 0939 22 Feb 2004

F5NZO 14084.7 I17ANT correct

call qsl IZ7AUH 1417 22 Feb 2004

IZ7AUH 7038.0 I17ANT

PSK@1404Hz 2101 23

Feb 2004

IV3IUM 14085.0 I17ANT qsl via

iz7auh 0746 25 Feb 2004

PA3ECZ 21267.0 I17ANT Special

station on Antartica 0921 27 Feb 2004

HB9DWR 14257.0 IO8ANT QSL via

IK8WEJ 0818 22 Feb 2004

IZ8BRI 18154.0 IO8ANT S.E

1244 23 Feb 2004

IZ1DFI 7013.0 IO8ANT

1935 24 Feb 2004

IK8WEJ 21282.0 IO8ANT cq cq cq

1140 26 Feb 2004

IK0BAL 14246.0 IO8ANT

0953 27 Feb 2004

IZOEGC 14245.6 IR0ANT SPECIAL

CALL FOR ANTARCTIC 0832 22 Feb 2004

IZ8DMZ 7052.6 IR0ANT qsl by

de0mst by buro' 1516 22 Feb 2004

IQ0FM 14070.0 IR0ANT ANTARC-

TIC ACTIVITY WEEK PSK31 1715 24 Feb

2004

IQ0FM 14070.0 IR0ANT antarctic

a.w. psk31 900hz 1223 27 Feb 2004

EA1VM 14202.0 IR1ANT ANTARTI-

CA VIA DE0MST 1020 23 Feb

2004

DG5BE 14250.0 IR1ANT qsl via

DE0MST 1027 25 Feb 2004

F5NOD 14210.0 IR1ANT

1724 26 Feb 2004

EA2EC 14190.0 IR1ANT Antardida

1155 27 Feb 2004

IK8PGC 14240.0 IR8ANT SPECIAL

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