

# POLSKI ZWIĄZEK KRÓTKOFALOWCÓW

## Member of IARU

# 80

## lat-PZK

### 1930 - 2010



CENA 50 GR.

### KRÓTKOFALOWIEC POLSKI

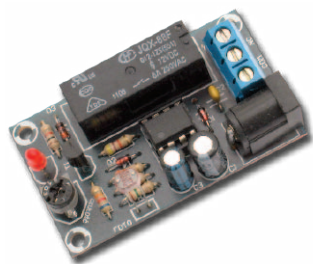
Miesięcznik poświęcony krótkofalarstwu polskiemu.

ROK 1. LWÓW, 1. STYCZNIA 1929. Nr. 1.

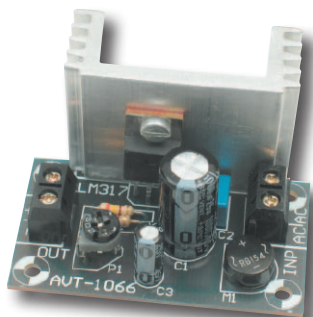
REDAKCJA I ADMINISTRACJA: LWÓW, GŁĘBOKA 10, Tel. 13-82.

Prenumerata roczna 5 zł. zagranicą 1 dolar.





**AVT 1460 Twilight switch**



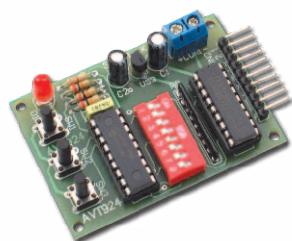
**AVT 1066 Miniature universal power supply**



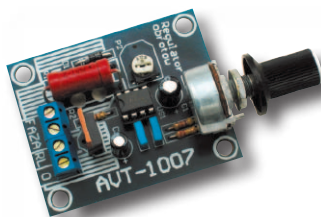
[www.SKLEP.avt.pl](http://www.SKLEP.avt.pl)



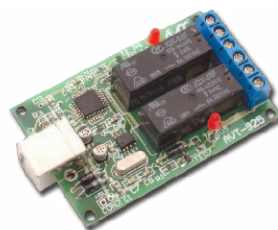
[www.TOP-Q.avt.pl](http://www.TOP-Q.avt.pl)



**AVT 924 Programmable light controller**



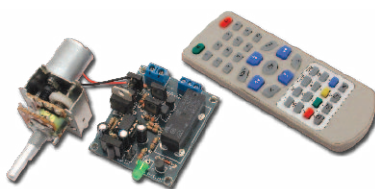
**AVT 1007 Electric motor control circuit**



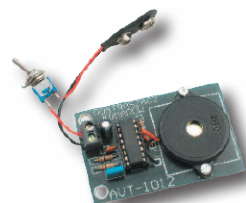
**AVT 925 USB relays board**



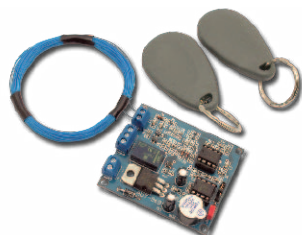
**AVT 513 Clock with a hundred-year calendar and a two-channel thermometer**



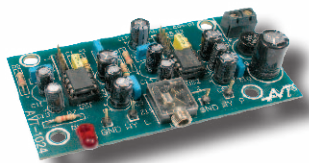
**AVT 594/KPL Remote potentiometer for audio applications**



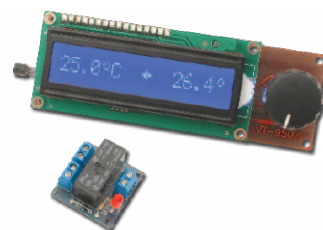
**AVT 1012 Mosquito repellent**



**AVT 969 RFID non-contact lock**



**AVT 1024 High-quality audio headphone amplifier**



**AVT 950/1 Electronic thermostat**



# 80 years of PZK. The past and the present of the Polish Amateur Radio Union (Polski Związek Krótkofalowców)

2010 is a special year for Polish radio amateurs because it is a jubilee year, marking the 80<sup>th</sup> anniversary of the founding of our Society – the Polish Amateur Radio Union (PZK) – and the 85<sup>th</sup> anniversary of the International Amateur Radio Union (IARU). Many meetings are to take place and lots of special event stations will be active on the air. The Special National Congress of Delegates will meet, where many key decisions will be made – from adopting a new Statute to develop new ideas, to agreeing the programme for the PZK over the coming years. For the PZK, I think that the year 2010 will be a successful one that will be rich in interesting events for us radio amateurs.

## A few words about the history of our Society

The Polish Amateur Radio Union is one of the oldest organisations in the world that brings together radio amateurs. Whilst some national societies, such as WIA (Australia), ARRL (USA), RSGB (United Kingdom), REF (France) and DARC (Germany) are older, we are one of the oldest Societies founded in Poland during the period between the First and Second World Wars.

The 24<sup>th</sup> February 1930 is regarded as the official date of the founding of the PZK. There were four founder members: the radio clubs in Lvov, Vilnius, Poznan and Warsaw. At that time, the problems that we had to deal with were si-



ARDF training at a PZK training camp

milar to those of today: representational affairs, contest results and statutory/legal issues. But what problems did not exist? Well, we did not have issues concerning the right to install antennas, or challenges to those already erected. Today, the amateur radio phenomenon is typical of our time – it is impacted by the flood of information and awareness through the electronic media, and threatened by the high levels of so-called electronic smog. On the other hand, this increased knowledge of amateur radio has sensitised public opinion – previously legislators and the general public were not that aware of the issues. Now, this new awareness has led to a growing number of cases whereby litigation has taken place over the right to install antennas, etc.

Our international organisation – the IARU (International Amateur Radio Union) – is about 5 years older than the PZK; it was founded in Paris on 18<sup>th</sup> April 1925. We were represented at that founding meeting by nine Polish radio amateurs, headed by its chairman Stanisław Odyniec. We were proud to be one of the largest delegations representing an individual country.

Our Society went through various changes in the ensuing years. From its sustainable development in the 30s, through the period of occupation – when the Polish amateurs took part in the resistance movement – until attempts to close it down during the Stalinist period and immediately afterwards. We are thankful that our Society was re-formed as an independent organisation in mid-1957, thro-

ugh the perseverance of Anatol Jegliński, SP5CM, and many other young amateur radio enthusiasts in Poland. Whilst some aspects of the Society were quite diverse, the situation on membership was simple. The reason for this was that until 1989 (the period of existence of the People Republic of Poland, PRL) all holders of a “licence” (an amateur radio permit) were obliged to join the PZK along with membership of a local club. A majority of the PZK committee were appointed by the PRL’s leading political party. During this period, Jerzy Miśkiewicz SP8TK – who held the post of the PZK General Secretary – is remembered for his efforts to develop amateur radio in Poland. Without him, nothing important would have happened – he was our “father and mother”, in one person!

In 1990, Krzysztof Słomczyński, SP5HS, became our first democratically elected President, and despite his busy professional life he served our Society well with his knowledge and experience. At the special Congress in 1992, Ryszard Grabowski, SP3CUG, became President. In the same year the HQ Secretariat as well as the Central QSL Bureau were re-located to Leszno, in the Wielkopolska region, where they stayed for some 8 years.

Marek Kuliński, SP3AMO, was President during what is called the “Leszno period” (1996-2000). This was a period of our history that was both interesting and difficult for the amateur radio movement. We had to face the problem of how to build our membership, how to settle some difficult issues, as well as defend our interests

and rights. Despite this, there was enough enthusiasm and energy for the construction of packet radio network, for which we really need to acknowledge the leadership of Ryszard, SP3CUG. Under the leadership of Marek, SP3AMO, the PZK Presidential term produced two very important agreements with the Head of Civil Defence and with the Minister of National Defence (MON). I had the honour to sign the second one, assisted by Jerzy Jakubowski, SP7CBG – the chief negotiator for that agreement. We are still benefiting from the impact of these two agreements. We have successfully resolved many issues in the, so called, “field of antennas” by signing many local agreements. The agreements also led, along with the selfless work of Adam Dyrka, SP2EDA, and the entire team of organisers, to five training camps being held between 2005 and 2009, where nearly 200 future radio amateurs were trained.

In June 2000 the XIV PZK Congress of Delegates took place in Kołobrzeg. Three months later the PZK HQ Secretariat and PZK Central QSL Bureau were moved to Bydgoszcz, in the Kujawy region. Moving the HQ Secretariat both reduced costs and improved facilities that PZK could offer its members.

The first major Radio Sport event that helped publicise the hobby and PZK’s standing in IARU Region 1 was our hosting, in June 2001, of the IARU Region 1 Amateur Radio Direction Finding (ARDF) Youth Championships. Aleksander Kwaśniewski, President of the Republic of Poland, and our patron, attended the Championships. The-



Adam SP2EDA -  
organiser of PZK training camps

se were covered by the media, thus helping to bring Amateur Radio to the attention of the general public.

There were of course many other Radio Sports events. During 2000-2010 the PZK organised several ARDF championships: one for juniors and two for seniors. This is probably the only amateur radio sports discipline that reaches out to the general public, i.e. beyond the amateur community. We have to thank Adam, SP2EDA, Jacek, SP2LQC, and Zbigniew, SP2JNK for organising these events.

The PZK has been active since 2008 in participating in the High Speed Telegraphy Championships (HST), and twice we have been co-organisers of the international

competitions. This year, we are organising the IARU Region 1 HST Championships, due to take place in October 2010, at Skierniewice.

The biggest issue for the PZK since 2000 has been the size and demographics of its membership – our membership is aging! We have been busy addressing the issue and are pleased to say that this has slowly begun to be effective. Between 2004 and the end of 2009 our membership has risen from 2,400 to over 4,000. We are also pleased that many of these new members come from the younger age group.

In 2004, after some difficulty, the PZK was granted the status of a Public Benefit Organisation, which, in addition to certain privileges and responsibilities, gave us the possibility of improving our funding due to the provision of a 1% tax deduction.

## The last 5 years

2005 was the first year in which the PZK started to notice benefit from its status as a Public Benefit Organisation. The improvement in funding that resulted was mostly used to finance PZK Training Camps in Defensive Sports. The Presiding Committee of the PZK Headquarters in 2005, considered that the training of future radio amateurs was our most important project.

We believe that it is important to introduce our hobby to teenagers, as radio amateurs of the future need to come from this age group. We have already organised five training camps at which we have trained 240 newcomers to the hobby in ARDF and contesting, including the basic skills of telegraphy.

PZK members organised the IARU Region 1 ARDF Championships for the seniors in 2007 (Bydgoszcz) and for the juniors in 2006 (Grudziądz). The PZK competed in both of these events and also in the 2008 ARDF World Cup in South Korea. Although, perhaps, not the most “professional” team we are pleased that our team achieved better results each year.

High Speed Telegraphy (HST) is another aspect of amateur radio. As mentioned above, it has recently been re-started in the PZK. After many attempts to organise a team for the championships, thanks to Donata, SP5HMK, Alfred, SP7HOR and Jerzy, SP3SLU, ten people went to the IARU Region 1 2008 HST Championships in Pordenone, Italy. We returned with a medal and overall took 6<sup>th</sup> place out of 14 teams. Following this, the Polish HST Open Championships were organised in Skierniewice, and in 2009 this was also the venue for the “HST

European Cup” was organised. Our team took also part in the Bulgarian HST Championships, organised in September 2009 – though our team was at somewhat reduced strength.

As a result of our involvement in the IARU Region 1 HST Working Group, PZK was commissioned to organise the Region 1 IARU HST Championships in 2010. Because of the facilities Skierniewice it will be the venue for that event, which will take place between 5<sup>th</sup>-9<sup>th</sup> October 2010. It will make a great sporting event to celebrate our jubilee year!

Our representatives participated in the IARU Region 1 conferences in Davos (2005) and Cavtat (2008), and our VHF Manager attended the meeting of VHF Managers, held in Vienna, in February 2008 and also 2010.

During the last five years we have organised two PZK National Congresses of Delegates: the Reporting-Electoral Congress in Szczyrk



Zygmunt SP5ELA tells young people about ham radio

(2008) and the Special National Congress of Delegates in Warsaw (May 2009).

## Current issues

The increase in PZK membership from 2,400 in 2004 to over 4,000 by January this year is very significant. We think that it can be attributed to a number of factors that include:

- A reduction in the membership fee for young members.
- Third-party and equipment insurance for PZK members.
- An increase in the prestige of the PZK, within both the radio amateur community and also within government circles.

The funds collected on the basis of our status as an Organisation of Public Benefit are undoubtedly an important element of our income. Mostly, this is used by the Regional Sections to support training sessions and meetings. At the time of writing, the PZK has nearly 4,200 members across 33 PZK Regional Sections, including more than 4,000 fully licen-

sed amateurs and 420 local clubs. PZK activities also involve a number of specialist clubs: PZK Polish Old Timers Club (SPOTC), Polish Radiovideography Club (PK RVG), Polish Group APRS, Polish Award Club – Polish Communities (PGAC), Polish Telegraphy Club (SPCWC) and the Polish Contest Club (SPCC). Our representation in the IARU HF Championships, i.e. the team SNOHQ – composed of nearly 100 operators – is the most important part of our Radio Sport activity. We co-operate closely with the Long Distance Radio Communication Club of Poland (SPDXC), Polish Very High Frequency Club (PK UKF), Polish Amateur Radio Direction Finding Club (KRS), the League of National Defence (LOK), the Polish Radio-orienteeing Sport Federation and the Polish Scouting and Guiding Association (ZHP).

## What about the future?

The programme “Radio Amateurs Bis” – broadcasted on the channel TV EDUSAT, accessible on a variety of digital platforms and cable TV. This publicity is seen as an important for the future. A TV programme has been broadcast since February 2010, twice a month, on Sundays at 21.00, with repeats on the other Sundays, i.e. one can watch it every week on Sunday at 21.00. Once again, we need to thank Henryk, SP6ARR, for the editing of the programme but also for getting it within the EDUSAT broadcasting schedule.

We plan to establish close co-operation with the Ministry of National Education.

We also care about co-operation with scouting in its broader aspect, especially with the organisation of clubs and radio scout camps.

One of the Polish municipalities granted the PZK some land, so we intend to build a new HQ for the Society.

Although, unfortunately the issue of antenna permission seems to be a growing issue we will continue to provide assistance to our members.

We will also continue to support the activity of radio amateur clubs. Obtaining ex-military equipment from the Ministry of National Defence is an example of such support.

We will continue to organise training camps for young people to introduce them to amateur radio. We also want to continue with our relation with the media and to manage it with even greater care. We will also increase our support for home construction including QRP equipment, as well as promoting activity on digital modes. We envisage all of this to be important in attracting young radio amateurs to the PZK.

It is impossible for me to mention everything that will be carried out in the next few years. Much will depend on external factors and of changing conditions that the Society will face.

From the above, however, I feel that all augurs well for the future of our great Society, in this its jubilee year.

**Piotr SP2JMR**  
**President of PZK**

**Translation:**  
**Paweł Zakrzewski SP7TEV**  
**Consultation: John Gould G3WKL**



Aleksandra SQ2GP trains young people in ARDF



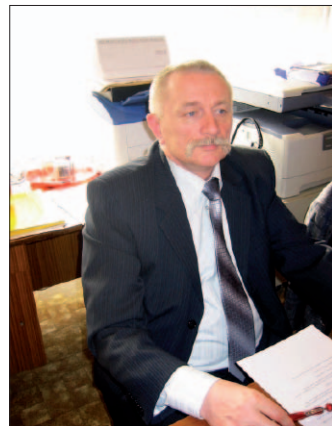
# **The current members of the Presiding Committee of the PZK Headquarters – elected at the National Congress of Delegates on 18th May 2008**



Bogdan Machowiak SP3IQ  
Vice President of PZK



Tadeusz Pamięta SP9HQJ  
General Secretary of PZK



Sławomir Chabiera SP2JMB  
Treasurer of PZK



Piotr Skrzypczak SP2JMR  
President of PZK since 2000



Jan Dąbrowski SP2JLR  
Vice President of PZK

# SN0HQ – short history

For the first time the Polish HQ participated in the IARU Championship in 1994 with the call sign 3Z0HQ. There was only one station in one location.

The following presence, that time with five locations, was in 1995 with the call sign SP0HQ. At that time we had a great problem with licences as the local administration did not know how manage the usage of one sign from a few locations.

In spring 2000, SP3GEM and SP6AYP organised the team and obtained the first official licence for the sign SN0HQ to be used from more than one location. We organised the new team consisting of 12 stations – each with an independent licence. We took the call sign SN0HQ which is still used.

## Results of the Polish HQ

So far the Polish HQ team participated in the IARU Championship 12 times, but the offi-



Low bands team



Reception



YO team



SN0HQ webmaster SP5ELA





Proceedings



GB, YO, SP, DL Captains



Four captains

cial team attended for the first time in 2000.

Our HQ stations took the following places:

- 1994 – 3Z0HQ 10<sup>th</sup> place
- 1995 – SP0HQ 7<sup>th</sup> place
- 2000 – SN0HQ 6<sup>th</sup> place
- 2001 – SN0HQ 4<sup>th</sup> place
- 2002 – SN0HQ 3<sup>rd</sup> place
- 2003 – SN0HQ 5<sup>th</sup> place
- 2004 – SN0HQ 2<sup>d</sup> place
- 2005 – SN0HQ 2<sup>d</sup> place
- 2006 – SN0HQ 4<sup>th</sup> place
- 2007 – SN0HQ 4<sup>th</sup> place
- 2008 – SN0HQ 6<sup>th</sup> place
- 2009 – SN0HQ 3<sup>rd</sup> place



Welcome to...



GB team



Graverton from DARC



SP team

Anyway, the final breakdown is as follows: 2×2'd place, 2×3'rd place, 3×4'th place, 1×5'th place, 2×6, 1×7'th place (1995), 1×10'th place (1994)

Our wide experience from all past IARU Championships proves that the contest rules are more favourable for HQ stations outside the zone 28 and especially for ITU zones 20–26 and 36. To prove this we can show a simple statistics from 2009:

Number of qso's: SNØHQ (~20000) 2'd place, AO8HQ (~12000) 10'th place,



28 MHz CW team



14 CW team



GB, YO, SP, DL – Captains





DL team



SP2JMR President of PZK visits event station HF6HQ



All together

Multipliers: SNØHQ (~520) 1'st place, AO8HQ (~465) 10'th place,

Points/QSO: SNØHQ (2,32) 9'th place, AO8HQ (4,78) 1'st place,

Final results: SNØHQ (~23mln) 3'rd place, AO8HQ (~25mln) 2'd place.

### How is it possible?

For the AO8HQ station each QSO with the zone 28 gives 5 points. In 2009 36.6% participants were from the zone 28!!! The zone 36 is out of statistics with less than 1% of participants.



EU HQ Basketball team



3-5 CW antenna works





Antennas

## People and locations

1994 – one station with some operators,

1995 – five locations with some operators on each.

From 2000 until now – 12 localisations plus a few as backup. During the last 10 years we have used ca. 25 locations. We have worked with more than 150 operators. But we have not more than 90 operators per year.

## Equipment

All equipment we use is our private property. We have on



The local authorities



7 MHz SSB team



Antennas



3-5MHz SSB team



Special banner



14 CW team



EU HQ Basketball team

average from 1 to 5 transceivers on each station. All transceivers on each location are connected to a local network. Each station is further connected to other stations via internet.

Power amplifiers are very different. We have professional amplifiers, renovated old amplifiers and also some home-made. Typically, the power of amplifiers is between 0,8 kW and 1,5 kW.

### **Our idea is: a good antennae is the best power amplifier**

We use a number of interesting antennae systems. The best are stacked monobanders. Thus we have: towers with stacked multi element beams or quads (14–28 MHz), towers with multi elements beams or quads (7 MHz), multi vertical systems (1,8–3,5 MHz). On low bands we also use special antennae systems for receiving only. These are Beveridge systems, 4xK9AY etc.

### **Meetings**

We organise special meeting of operators; before and after the contest, each year. We discuss about results, techniques, tactics, networking etc. It is very important that we have a possibility to talk face to face with members of our team. We have a good time together after so hard work. In autumn 2008 we decided to organize the first international HQ meeting. It took place in August 2009 in Bystrzyca. The meeting was attended by ca. 80





1,st EU HQ Meeting is open

participants from different countries. Thus we had colleagues from DL, G, OK, YO and SP. We discussed about teams organisation, licences, tactics, equipment, software and about proposals for changes in the IARU rules.

## Future

1. Discouragement – so far no changes in rules. The rules are more favourable for stations outside Europe but not far. Like EA8, CT3, CN, 3V8. Most stations participating in the IARU (more than 50%) are from Europe, more than 35% are from the zone 28. In this situation the AO8HQ team took the 2'd place with very low number of contacts (~11000) (DA0HQ ~26000, SN0HQ ~20000) and low multiplier (~465) (SN0HQ ~520, DA0HQ ~505).
2. The success lies in antennae systems. We need more and more antennae.
3. If the rules do not change, the IARU contest will be boring, especially for HQ teams.

**Tomasz Niewodniczański**  
**SP6T**  
**Captain of SN0HQ Team**



Solemn dinner



7 MHz CW team



Discussion OK – SP



# Certificates issued by PZK

## General rules

The application has to be made in accordance with GCR principles (General Certificate Rules).

Two-way contacts and reception records count, made on all bands and with all emissions without time limit, unless the detailed rules of a certificate specify otherwise.

Cross-band contacts/reception records or via repeaters do not count.

The certificates are available for all transmitting and receiving stations.

### *Certificate fees:*

PZK members and clubs affiliated with the PZK QSL Bureau: 3 postage stamps for ordinary mail

Other SP/SQ stations: 15 PLN,

Foreign stations: 5 Euro/5 USD/5 IRCs

Sticker fees:

SP/SQ stations: 1 postage stamp for ordinary letter + envelope,

Other stations: 1 USD/1 IRC.

Payment should be made to the following bank account of PZK HQ:

PL 33 1440 1215 0000 0000 0195 0797

Nordea Bank Polska S.A.

7. A xerox copy of the payment receipt should be attached to the application. 8. Applications from Poland should be sent to the following address:

PZK Award Manager, Andrzej Buras SQ7B

ul. Jarzębinowa 8, 27-200 Starachowice

Foreign stations should send their applications to: PZK HQ Secretariate, Award Manager –SQ7B, P.O. Box 54, 85-613 Bydgoszcz 13, Poland.

The Award Manager is entitled to request for inspection any card or QSL cards from those listed in the application.

The final decision in cases of doubt lies with the PZK Award Manager.

### **SP-Powiat Award – “SP-PA”**

*Contacts are valid from the period from January 1st, 1999 onwards.*

The application shall include:



*Basic class on HF bands: contacts/reception reports with 100 Polish powiats.*

### *Stickers:*

for having fulfilled the requirements on CW, Phone or Mixed,

for 100, 200, 300, 350 and all Polish powiats without regard to emission.

*Basic class on VHF: for at least 50 contacts/reception reports with different Polish powiats in at least three SP call regions.*

*Stickers: as on HF.*

### **POLSKA Certificate (Dyplom POLSKA)**

*Contacts are valid from the period from January 1st, 1999.*





The application shall include:

Polish stations:

On HF: 5 QSOs/reception confirmations with each województwo (province) in Poland.

On VHF: 5 QSOs/reception reports with four województwo (provinces).

European stations: two QSOs/reception confirmations each with every province.

Stations from outside Europe: 1 QSO/reception confirmation from each province.

Foreign stations can obtain the POLSKA certificate during one edition of the SP DX Contest, on the basis of the contest log, i.e. without providing QSL cards.

- |      |                     |   |
|------|---------------------|---|
| SP1: | Zachodnio-Pomorskie | Z |
| SP2: | Pomorskie           | F |
|      | Kujawsko-Pomorskie  | P |
| SP3: | Lubuskie            | B |
|      | Wielkopolskie       | W |
| SP4: | Warmińsko-Mazurskie | J |
|      | Podlaskie           | O |
| SP5: | Mazowieckie         | R |



- |      |                |   |
|------|----------------|---|
| SP6: | Opolskie       | U |
|      | Dolnośląskie   | D |
| SP7: | Łódzkie        | C |
|      | Świętokrzyskie | s |
| Sp8: | Lubelskie      | L |
|      | Podkarpackie   | K |
| SP9: | Małopolskie    | M |
|      | Śląskie        | G |

## European Union – SP – AWARD „EU-SP-AWARD”

*Contacts are valid from January 1<sup>st</sup>, 2004.*

*Conditions to be fulfilled for the certificate:* at least 25 contacts/reception confirmations with countries of the European Union: CT, DL, EA, EI, ES, F, G, HA, I, LX, LY, LZ, OE, OH, OK, OM, ON, OZ, PA, SM, SP, SV, YL, YO, ZC4/5B4, 9H.

## All Countries of the 15<sup>th</sup> Zone – “AC15 Z”

*Contacts are valid from January 1<sup>st</sup>, 1955.*

*Required:* QSOs or reception confirmations from at least 23 countries or call areas lying in the 15<sup>th</sup> “WAZ” zone. Contacts/reception confirmations from SP call-areas are obligatory.

The following countries count for the award: 1A0, 9A, 9H, ES, HA, HV, I, IS, LY, OE (2 areas), OH0, OH (3 areas), OJ0, OK, OM, S5, SP (4 areas), T7, T9, UA2, YL, YU, YU6-40 (Montenegro), Z3, ZA.

## WORKED 21<sup>st</sup> MERIDIAN – “W21M”

*Contacts are valid from January 1<sup>st</sup>, 1955.*

*Required:* 16 QSOs/reception confirmations with countries through which the 21<sup>st</sup> meridian is passing. A QSO or SWL confirmation from SP is obligatory.



The following countries count for the award: 5A, 9A, A2, D2, HA, JW, LA, LY, OH, OH0, OM, SM, SP, SV, TL, TT, UA2, YL, YO, YU, V5, Z3, ZA, ZS.

## SP – 50 MHz AWARD

*Contacts are valid from January 1<sup>st</sup>, 1995.*

*Requirements:* For the classes of the award outlined below, the following number of QSOs/reception confirmations are required:

Class 1 = 10 QSOs/reception confirmations with six (6) locators covering Polish territory;

Class 2 - 20 QSOs/reception confirmations with twelve (12) locators covering Polish territory;

Class 3 - 30 QSOs/reception confirmations with twenty (20) locators covering Polish territory, including contacts with all nine (9) Polish call districts.

## Pilgrimages of the Holy Father Pope John Paul II

*Contacts are valid from October 17<sup>th</sup>, 1978*

*Conditions to be fulfilled:*

To conduct the following number of QSOs/reception reports, according to the certificate class, with countries visited by the Holy Father Jan Pawel II during His pontificate:

### HF

Class 1 - 110 countries

Class 2 - 75 countries

Class 3 - 50 countries

### VHF

Class 1 - 15 countries

Class 2 - 10 countries

Class 3 - 5 countries

List of countries visited by the Holy Father J.P.II :



A2, AP, C5, C6, C9, CE, CN, CO, CP, CT, CX, D2, D4, DL, DU, E4, EA, EI, EK, ES, F, FR, G, H4, HA, HB9, HB0, HV, HH, HI, HK, HP, HR, HS, I, IS, J5, J6, JA, JY, K, KH2, KL7, KP4, LA, LU, LX, LY, LZ, OA, OD, OE, OH, OK, OM, ON, OZ, P2, PA, PY, S2, S5, S7, S9, SM, SP, ST, SU, SV, T7, T9, TA, TF, TG, TI, TJ, TL, TB, TR, TT, TU, TY, TZ, UN, UR, V3, VE, VK, VU, XE, XT, YB, YK, YL, YN, YO, YS, YV, Z2, ZA, ZL, ZP, ZS, 3B8, 3C, 3D2 (Fiji), 3DA, 3V, 3X, 4J, 4L, 4S, 4U1UN, 4X, 5H, 5N, 5R, 5V, 5X, 5Z, 6W, Y, 7P, 7Q, 9A, 9G, 9H, 9J, 9Q, 9U, 9V, 9X, 9Y.

## SN0HQ I Award

*The following contacts count:*

Made during one edition of the "IARU HF Championship", held each year during the second full weekend of July

*Conditions to be fulfilled:*

During one edition of this contest, starting from 2003, the following number of QSOs/reception reports with the PZK Headquarters station SN0HQ has to be conducted:







For SP stations: 5 QSOs/reception reports,  
 For SP "B" - category stations 2 QSOs/reception reports,  
 For European stations 4 QSOs/reception reports,  
 For DX stations 3 QSOs/reception reports.

**Attention:** The "SN0HQ-I" certificate can be scored annually.

SN0HQ II Award

*The following contacts count:*

Made during one edition of the "IARU HF Championship" held each year during the second full week-end of July.

*Conditions to be fulfilled:*

Contacts to be made during any, selected at choice, at least two editions of the "IARU HF Championship" contest ; at least the following number of QSOs/reception reports with the PZK Headquarters station SN0HQ:

SP stations - 12 QSOs or reception reports,  
 SP category "B" stations - 4 QSOs/reception reports,  
 European stations - 9 QSOs/reception reports,  
 DX stations - 6 QSOs/reception reports

**Attention:** The "SN0HQ - II" certificate can be obtained only once.

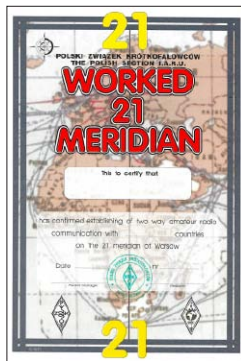
## 80 YEARS OF PZK

The year 2010 marks the 80<sup>th</sup> anniversary of establishment of PZK (Polish Radio Amateur Association). In celebration of that event, the PZK Headquarters is issuing the **80 YEARS OF PZK** commemorative award. The award is available to all licenced radio amateurs, including the SWLs. To be eligible, the applicant needs to collect 80 points according to the following table.

Special event STATIONS:	POINTS FOR EACH CONTACT	
	any time between 1 Feb 2010 - 30 Apr 2010	during SP-DX-Contest 3 - 4 Apr 2010
SP80PZK QSL via - SP0PZK HF80PZK QSL via - SP5PSL SO80PZK QSL via - SP7PCA SQ80PZK QSL via - SP9YGD SN80PZK QSL via - SP5PPA 3Z80PZK QSL via - SP4Z 3Z85IARU QSL via - SP2JMB SP85IARU QSL via - SP9PNB SN85IARU QSL via - SP4OZ SQ85IARU QSL via - SP3MGM HF85IARU QSL via - SP9YGD SO85IARU QSL via - SP5PPK 3ZORADIO QSL via - SP9MRO	6	12
All club and individual SP stations using the number 80 in their prefix, i.e: SQ80WAA, SP80KAC, SP80PS...etc	4	8
All other club and individual SP stations	2	4

The award will be issued in a single category only (no endorsements for bands or modes). SP stations will count only once, independent on the band or mode they were worked on. The only exception is the SP-DX-Contest, where an SP station that was worked before the Contest may be contacted again on any band or mode, but only once. Please note that contacts made during SP-DX-Contest yield double points.

The award can be earned during the 1<sup>st</sup> of February and the 31<sup>th</sup> of October 2010 and only the contacts made during this period will be eligible.



The applications (log abstracts) along with the €5 fee are requested to be sent (via REGISTERED MAIL) to the following address:

**Polski Związek Krótkofalowców**  
**Award Manager PZK, P.O. Box 54**  
**85-613 Bydgoszcz 13, Poland**

Please note that the applications will be accepted until 31st of December 2010 only. YOU ARE INVITED!

Piotr Skrzypczak SP2JMR President of PZK

## **Rules of Poland on Long Wave – 136 kHz Award**

Station from outside of Poland

1. For this award are accepted QSOs since 1 march 2003 Year

2. This Award is available in 3 classes:

Class 1 - 3 two-sides QSOs with SP stations

Class 2 - 3 crossband QSOs with SP stations. Instead of a one crossband QSO may be included one any SWL report.

Class 3 - 3 SWL reports of SP stations

3. Required confirmation of QSOs with QSL cards – application must be accordant with GCR (General Certificate Rules).

The final decision in cases of doubt lies with the PZK Award Manager. sw7b@pzk.org.pl

## **Rules of “SP Great Cities” Award**

Award may be achieved by making QSOs with stations working from Polish cities and is available in 3 classes:

Class 3 - for QSOs with 15 different cities

Class 2 - for QSOs with 25 different cities

Class 1 - for QSOs with 35 different cities

No time limits. This same rules for SWL stations

## **Poland Without Borders**

QSOs made since December 21<sup>st</sup>, 2007 are eligible for this award.

### **Required:**

This award is issued by the PZK (Polish Radio Amateur Association) for confirmed HF or VHF/UHF QSOs with the European Union member states. It is also available to SWLs (Short Wave Listeners).

This award can be earned on HF bands with a total of 85 HF QSOs:

- 3 with different call areas in 23 UE countries (a total of 69 QSOs)

- 16 with all SP provinces (a total of 16 QSOs)

This award can be earned on VHF/UHF bands with a total of 28 VHF/UHF QSOs:

- 2 with different call areas in 10 UE countries (a total of 20 QSOs)

- 8 SP provinces (a total of 8 QSOs)

European Union states: CT, DL, EA, EI, ES, F, G, HA, I, LX, LY, LZ, OE, OH, OK, OM, ON, OZ, PA, S5, SM, SP, SV, YL, YO, 5B4/ZC4, 9H.

SP provinces (aka wojewodztwo): Zachodnio-Pomorskie – Z, Pomorskie – P, Warmińsko-Mazurskie – J, Podlaskie – O, Lubuskie – B, Wielkopolskie – W, Kujawsko-Pomorskie – K, Łódzkie – C, Mazowieckie – R, Dolnośląskie – D, Opolskie – U, Śląskie – G, Świętokrzyskie – S, Lubelskie – L, Małopolskie – M, Podkarpackie – K.

## **PZK Awards Hunter**

This award is issued by the PZK (Polish Radio Amateur Association) to licenced radio amateurs and SWLs (Short Wave Listeners). It can be obtained – in an applicable class – for having collected a specific number of awards issued by the PZK.

Class 1 – for having collected 8 awards (VHF/UHF – 4 awards)

Class 2 – for having collected 6 awards (VHF/UHF – 3 awards)

Class 3 – for having collected 4 awards (VHF/UHF – 2 awards)

Notes:

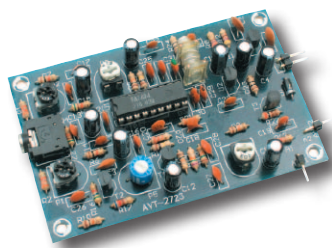
(a) Various versions of “Polska” award, issued under different administrative divisions, are considered separate awards,

(b) “SPPA” award and all endorsements (stickers) is counted as one award,

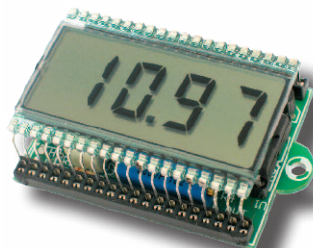
(c) Each version of “HQ Award” is counted as a separate award,

(d) Higher classes of other PZK awards are counted as separate awards.

Andrzej SQ7B Award Manager PZK



**AVT 2723 FM stereo transmitter**



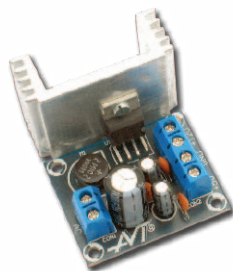
**AVT 2126 Small-sized LCD voltmeter module**



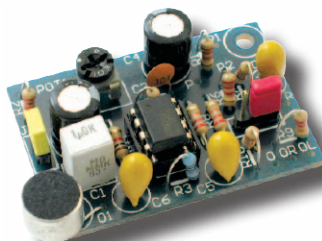
[www.SKLEP.avt.pl](http://www.SKLEP.avt.pl)



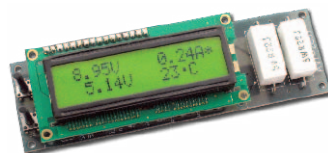
[www.TOP-Q.avt.pl](http://www.TOP-Q.avt.pl)



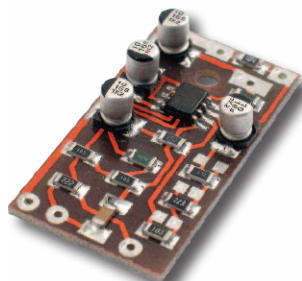
**AVT 1461 Universal lab power supply - 5 and 12VDC/1A**



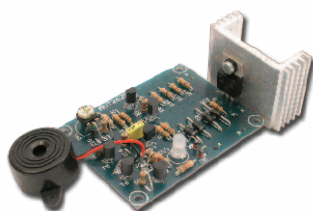
**AVT 2728 Universal microphone amplifier**



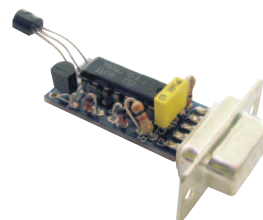
**AVT 2857 Voltmeter-Ammeter Module with Thermostat**



**AVT 2392 SMD microphone amplifier**



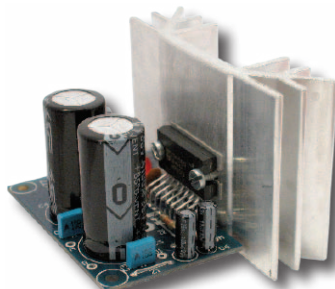
**AVT 2628/1 12V 1...30Ah lead-acid battery charger. Standby power supply**



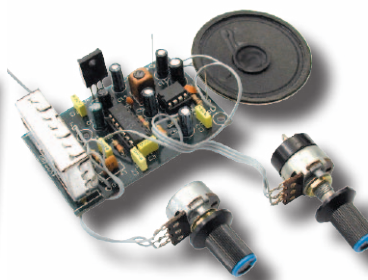
**AVT 2787 PC-Thermometer. Internet thermometer. Temperature recorder**



**AVT 2270 Millivoltage meter**



**AVT 2477 70W car-audio amplifier**



**AVT 2469 FM radio**