

THE Official Journal of the JARL QRP CLUB

It is a membership now; 270 people
(JARL registration number 11-4-15)



QRP NEWS

Vol.9 January 2009

It is a big impression with small power

QRP: Small Power, Big Dreams!

PRESIDENT JH1FCZ VICE
PRESIDENT JA1KGW SECRETARY-GENERAL
7L3DNX TREASURER MANAGER
JR3ELR AUDITOR JA9CZJ AUDITOR
JR7HAN

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Topics

One) "An ambition of this year" and a title are done this month, and an ambition of all of toward development QRP CLUB is featured. We will have JLIKRA Nakajima cooperate as the staff of km/Total power competition (P- 2-9) at two) this time. Cooperation named ko of members is asked for for project success. (P-10)

Three) We revived at a corner of a DX brief correspondence of JA1KGW Aoyama. (P-17) There is news of an operative recruitment result and administration policy of four) "international QRP D special commemorative bureau 8J*P". (P-23)

Five) "A TGS-40C kit" is being introduced in a technical experiment / production open space. (P-18)

A foreword

Accounts charge

JR3ELR Yoshimoto Nobuyuki

YOSHIMOTO NOBUYUKI



Some IT is being carried out this year. It is thought that flows of this IT increase. IT carried out as of this term and situation 2 are explained this time. The most plain IT is enforcement of computerization of a bulletin. And it is an audio conferencing of a board meeting one more. Both carried it out halfway the year, but an effect of IT already appeared when it tried to be calculated as a test at the end of the year.

Besides it is chosen an e-zine, and incomes such as fees from the beginning of the year decrease by 23%, and half is changing about a bulletin. Decrease width of the forehead which one of publication costs of a bulletin can say electronic introduction from the middle in the year, and was able to include print costs and shipping charge business is remaining at 20%. However, cost reduction effects of a club by this bulletin IT computerization have already exceeded 100,000 yen. A downloaded person is aware, but a mechanism of distribution of this electronic bulletin is elaborated in an area of a homepage of a club. This organization was created from my own program and collaboration of news from the secretariat to all of you of JI2WXU Shibata.

It was another IT, and only the 1 can be yet carrying out an audio conferencing of a board meeting, and a cost reduction effect of a club is limited to around 4,000 yen. However, the board meeting that expenditure of telephone rates is not accompanied with because shi does Skype is showing a drama of higher than money side. By an effect to be urgently provided by realization of the call by item outbreak, enforcement with an obi between return bell rung in the early morning, uselessness in movement time to a conference room place and the IT that said for the first time, the enforcement number of times of an officer's meeting is doubling. All officer's meetings are completed only in an audio conferencing, and there is not it, and meeting costs do not become beginning. It was an effect of 10% decrease now, but, actually, holding and decision of an officer's meeting doubled, and a time delay was shortened, too. When it is added, as for the board meeting, an effect is coming out by enforcement of IT this reo.

In this way IT brings a useful effect in swiftness / activity of a club, and a required element is being become.

Homepage price for computerization

\2,525 that an electronic bulletin to published
by income \837,034\648,234\188,800-23% bulletins costs \513,817\409,758\104,059-20%
meeting costs \41,745\37,730\4,015-10% provider such as amount

of decrease rate of decline fees is being posted on in December, 2008

in situation December, 2007 until situation
December

A special feature: An ambition of this year

Think for development of QRP CLUB

Editor 7L3DNX Takeno Takumi

TAKENO Takumi



To the all of you who were taken care of with current issue last year. We had tell an ambition and enthusiasm of this year.

The choice of the personnel chose the person who had cooperate dogmatically in charge of editing although being selfish. Please understand it.

Still of a member sleeping this year; because dig it, and want to do raising by all means; everyday activities (is not doing it!) to a bulletin ! But please put) by all means plenty. Because want to do it in nomination system, prepare for each bureau; thanking you in advance.

A big crop was able to be got by a national meeting, publication of a bulletin.

It is thought that the all of you who had cooperate had the sense of fulfilment "that acted for QRP CLUB" last.

In addition, a regulation was revised to establish this system.

(5) ML between the charge staff is being planned now. We are thinking to make communication in an organization a still stronger thing hereby.

"An impression big with small power"

A dajigama

JH1FCZ Okubo Tadashi
OKUBO Tadashi



Everybody,; A Happy New Year. This year; thanking you in advance.

Various things were promised for all of you as action program of a new officer's meeting from April of last year, and we asked again, and we gave up. It will be reported about those progress on reaching new age.

(1) About lack of communication between officers becoming a problem conventionally, it is being thought that cooperation between officers is done thickly by inflection of electronic conference "sukaipu" as well as ML between officers now.

(2) 1 time a month publication of the bulletin which was a pending issue was performed. The secretariat is performing this work by reduction of an officer in charge of a bulletin in parallel, but an aim is clearing it on the coattails of assistants having, fortunately, help editing somehow at once. In addition, it is to be published about late data book in a few days.

(3) It is not always decided about a matter to "employ the communication staff in each area" to do talks with a member of district thickly in each area. However, it was not this alternative plan, but "the hot email" which could access an officer's meeting directly was founded. A question or suggestion become make hereby, and we examine based on it at an officer's meeting, and an answer is being given. A hot email from people is being waited for.

(4) Pay meeting ni nyu tte, fee o; ba; not "member da"; "give meeting nitaishite what ga derairu ka? o koe temoraio uto, charge staff, assistant ni hand o, and, as a result, is, ham fair, teitadakiki mashi ta ga,"

"The DX brief correspondence report reopening"

A dajigama

JA1KGW Aoyama Kentaro
AOYAMA Kentaro



In 2009; the Year of the Ox; A Happy New Year.

Even if work of an officer of a glove, to claim to be it in April, an assistance of a chairperson, an extraordinary matter and work such as maintenances of the club rules of a society were begun, but the New Year will be invited without functioning enough without human relations or the conventional process that do not fit it can understand it. Guidance of member all of you is asked for sequentially this year, and a new sign is put up as a senior citizen second grader for the latter period, and a ham life wants to be enjoyed.

"QRPer of QRP NEWS overseas from the world of DX which is QRP" continues being contributed for several years and is in charge of this column from April, but give me an introduction of "overseas QRPer" from members by all means. As for the proposals about QSL card, operative form, use rig and antenna, QRP, it is any kind of trifle

But give members an introduction by the information that is not provided in QRP QSO in the country widely.

It is thought that a publication of "a DX brief correspondence report" cut off for a while wants to be reopened. A contribution is asked for. (follows are contribution examples of report #93#2E)) We are stirred up, and give me a contribution. Skill, on the deadline, an email asks for a letter addressed to kenawoyama@nifty.com addressed to 1920907, ? 134-203, Naganuma-cho, Hachioji-shi Kentaro Aoyama every month for 15 days.

DATE	CALL	HS	MY	FR	BQ	MX	SPT
01/23/09	648WD	Y	QRP54	29914.061	K2_5W.D	A1KGW	001/11
						234A25AB559	93.506100W.GPJ
							1KGW

C-B-ES CL

It is thought whether it is a problem of radio in this year that a guerrilla wants to apply from such a place if we calm down because the clean shore and port of scenery are gone to by a diving.

As for this year; thanking you in advance

"Even super QRL PSN 634"



Five area staff

7A5DDM forest Shoji
HAYASHI Shoji

"Only as far as the number of dreams"

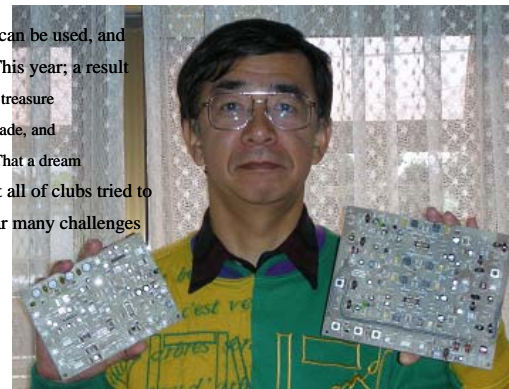
Accounts charge

JR3ELR Yoshimoto Nobuyuki
YOSHIMITO Nobuyuki



For 2009 years, congratulations in the New Year. When it is the beginning of the year, the next kosohato and a dream are imagined this year greedily. But if one year tries to pass away, only two nothing can be carried out after all. But what is not dreamed of is not accompanied with practice, and if one year does not try to be over whether our which of a dream can be really carried out, devote itself, and it is not understood again, and it is thought that the fun that only a number of this dream spends in one year grows it.

Besides, as for the dream we think only among oneself, and it can be used, and to float, we are never ambitious by extension in an assumption. This year; a result of activity of all of these clubs; of study aid of skill full loading of QRP, a treasure chest, a full-house bonus, the material book, tonic medicine, courage; is made, and think in a dream of a challenge in this year, and is *chakushi memashita. That a dream to float in a head of many various places by communalizing what all of clubs tried to really do from an individual dream can be blown up, and this year many challenges and results are born is done with the first prayer.



"Diving and QRP"

Inspector consultation room charge

JR7EAN Hanano peak line
HANANO Mineyuki



It was enjoyed mainly on bicycle movement use since taking up job leaving his family behind in Tokyo area for 2006 years. But a diving begun approximately 2 years ago is fallen into, and radio is completely a long time ago is the reality.

A hobby is so in anything, but the middle when a skill is improving visibly is the most pleasant. It is right pleasant that we sink in that kind of state, and there is no ginger. The dive master whom a guide of a tour has in the water from autumn last year is being received training for. A physical strength examination (over 400m swimming 15 minutes, evaluation at a point by swimming, 100m fatigue snorkel swimming in total) that seemed to be the greatest barrier was cleared for the first time, and there became a few remaining problems. It is the time when a flower of a plum blooms.

"A year of electronic work"

A QRP technology experiment / production open space charge

JH2BCU Numajiri Eijiro
NUMAJIRI Eijiro



A Happy New Year.

Leave publication of acting new order nina tekara mo Takeno bulletin no consecration (over 400m swimming) in 2008, and teiru does thanks particularly, and it is masu. The help is considered to be a little through "a QRP technology experiment production open space" in this year. We had a talk about electronic work in a QRP forum held at a national meeting last year, but created by some other time in a QRP club felt it when much. One looked forward to consider. All of you, A Happy New Year. A dive master's column to be many it to my own fan, but it is a cause of worry that have few contributions. Because empty condition is the best now, it is thought that there may be much one worked hard at their own work. Because only a contribution is a remnant, this column asks for a positive work contribution being felt against it all in a complete QRP area. DM #34 which

By the way, it is being conspired to want to do it this and that this year, but we are busy, and time to expose it to production and use is decreasing sharply so that thing that is moved in summer last year, super sa stick. Stress of work contribution being felt against it all in a complete QRP area. DM #34 which the press articles including the standard photograph of this year in such situation. We are advancing to a board except VFO somehow. Because there are several points half-finished goods else, a race against time will be become literally.

JA1AA Hisao Shono SHONO
Hisao



"The ninth base camp" was finally climbed, and, in 2008 of me and XYL, a hard fight from "a state of half hibernation" was being done in strain and the caution that could come back to ground somehow. "Tokyo said with northern limit" to rely on a record chart of a J.Hunt captain of the U.K. corps which carried out the first climbing of Mount Everest in 1953, and, as for this, we who were delicate of southern country birthplace were going to invite the first time to * for 180 years old and the family who said with 2.

However, in addition, XYL turned over, and there can be a right hand bone fracture and the thing that we said, and, as for the AA of Pedition participation in Ogasawara of pleasure of April, 2007, a walk disorder can have already written a big burden in a team.

We were piled up with antenna system such as 7-28 DP or aging of a rig, and, QUAD and SLOPER used for many years, radical examination was necessary more. Fortunately, an antenna (Inverted L 30ms + Counterpoise 40m drive) of unique - 180m use of JA1IST / JA1BRK suggestion appeared in April when we reformed from 2007 nenbo in a year. On the other hand, DP of V73-X on a tower was granted to 10m, and taidai / tairagai was realized by going up and down of Pole of 30m.

However, an excuse was not not to be able to attend by an immediate fall in QSO society of "*jukinen" planned in a meeting place of a ham fair by the arrival of intense heat. A sincere message of 97 is still had, and "live", and we can tremble as tonoo words.

It was spent since all outing was split, and we gave up somehow or other when we recovered. In that way original thought was developed in one game all day long, and 3 were started in window <7003-7005kHz> and 1.8/1.9 mega of QSO somehow, and we gave up.

When one year tries to be looked back on in this way, as for eight times of contests, annual QSO is whether it is it to 900 times thanks by participation of short time. In addition, CFM did first QSO - KL7AR of 1.8M, and QSO with VK9DWX in six bands was able to be achieved during 1.8 and 24M.

To new age, scrupulous attention is performed, and it is being wished that it wants to be walked while biting a blessing of space.



"Reach age desired"

JD1 movement guts pose JA1AA Shono of desiring it doing it
"QRL makes a simple excuse"



A QRP social gathering secretary
JR1QJO Yabe ichi* YABE
Ichiro

De revives this year, and it is ta station men no update neighbor masu. A QRP club was joined, and five years passed, but it was arrow nogotoshino five years in time. Meanwhile, an opportunity to interchange with many people through a QRP social gathering is got, and it is considered to have been filled up, but on the other hand it is the fact that is not readily realizing what want to be done by amateur radio communications only by a plan. Nitotari, is planned till now at the beginning of the year, and teki ta my own o plan falls down, and o is raised in ni shi few you time, and te mai susumi, and it is taitoomoi masu.

We let a simple excuse and oneself hear that it is QRL, and it wants to be created by itself more positively till now. In addition, movement use wants to wrestle from the reflection why there was not the thing which should watch even an operative mask because an antenna of a shack is BF. Good stimulation is got from all of clubs, and pleasure of ham named ko wants to be reclaimed.

"QRP which there is not will be had of 3"



Charge to "be idle in QRP"
JA1BVA Saito Masaaki
SAITO Masaaki

CO WW WPX ARRL DX CONTESTS		ALASKA		MULTI-OPR MULTI-XMTR
KL7RA				
OPERATED WITH		DAY	MONTH	YEAR
JA1AA		17	SEP	08
UTC	TIME	FREQ	Z-WAY MODE	
0941R	1.8	549	CW	
R. A. STRAND P.O.-Box 00022 Fairbanks, Alaska 99706 U.S.A.		TKS HISAO	RICH	
A WIMPY QSL		<input type="checkbox"/> PSE QSL <input type="checkbox"/> THX QSL		

A Happy New Year.

It is JA1BVA Masaaki Saito of charge to "be idle in QRP".

Thank you for a contribution from many members last year. Both consider personal activity, activity in an area to have been contents supporting a feeling of weight of a bulletin. In addition, when a policy activity of a member is excavated, and it is collected, and sometimes a contribution

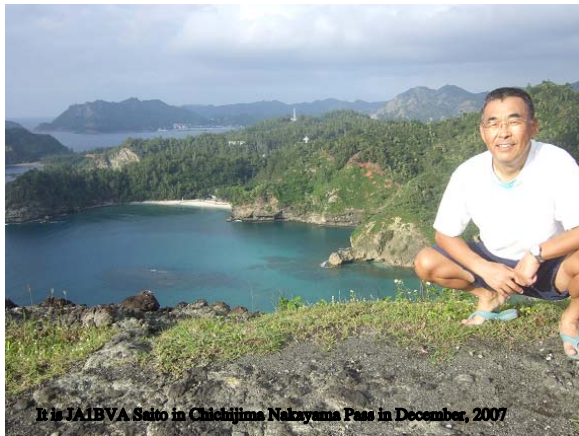
We think. The help of member all of you is please asked for. Because a lot of QSL card of all of you is having, it wants to be carried sequentially. Mathematics of radio is thinking about contents "watched from not being good not a commonplace commentary a little". Probably examination of a national examination will not be helped. hi.

way, I challenge for bicycle movement and a contest for own work this year, and an eye ball wants to be done? "K3" of admiration wants to be purchased. with members of the whole country through ham fair or Seki ham again. Thanking you in advance

QRP no world ha; next "three nai no mind ga important da to thinks, and is masu". ? is ? which does not compete, and draining it off do not use energy

The thing which cannot be created by itself does not have ?

Let's play QRP very much this year.



It is JA1BVA Saito in Chichijima Nakayama Pass in December, 2007

"The new Award first year"

**Award charge staff JKITCV
Kurihara Kazusane
KU RI BARA KAZUMI**



Everybody,; A Happy New Year. This year; thanking you in advance.

In an early thing, opening of an office the 32nd year is greeted this year in 2009. It was QRT for several years, but we were interested in QRP after the reopening, and it was 15 on the way. It is said that 24 may stand up from this year for a cycle attracting attention from last year. It is very difficult to do it DX and QSO with a slender signal of QRP so far, but even QRP will be enough to be able to enjoy it when condition stops.



It is being managed by a gathering of Gunma branch office ham

? By the way, an ambition of my 2009 loses 1000QSO by fixed use this year.

? For DXCC Award, increase QRP use in SSB.

? Increase time of making of my own plane which was not enacted very much and a kit last year. By

cup? "K3" of admiration wants to be purchased.

If it is possible to upgrade an antenna (a crank up tower and a beam antenna). . . .

It is thought whether it should be possible for a help of Award that can enjoy by a start of new Award from April, this year and a revision of Award agreement by Award relations of a QRP club.

"Smart consumption will be done"

**A QRP social gathering secretary
JE1RYH Ozaki Hideyuki
OZAKI Hideyuki**



It is New Year's Day Happy New Year in 2009

It is JE1RYH/ Ozaki. "Is smart, an ambition of my this year will use" it; appear, and do it. And consumption electricity is reduced and how can QRP just contact a far-off bureau? Even everyday life does not do "waste" it is similar, and to be challenging it, and it is a meaning few, to confront economy slump at the same time, however, to grow personal joy in what we "are smart, and is used". Hi

2007 was a year of a big change for me if we thought. At first the smoking that was not stopped for 28 years is supa till then as if it is put together on a birthday of the end of March! to stopped. Without using in particular a tool for prohibition of smoking. Even oneself was surprised, but then nothing is smoking.

But Africa and QSO are done this year because there were not Africa and QSO, and WAC wants to be aimed at.

It was not done. The first airing was a connection at 430MHz at the time of a national meeting. My pleasure of Hi 2008 is a secretary of the QRP social gathering that is being held, a secretary of a gathering of QRPer after a ham fair and chairmanship at a national meeting every month.

We have exaggerated at the beginning of the New Year, but active QRPer is taken pride in, and we want to do its best as things mentioned above.

It is argued as the problem that economy slump by various reasons and a consumption fall should solve as of a thing of a head at the beginning of 2009, but economy will not recover unless consumption of increases not the thing which somebody solves. Therefore I want to do "smart consumption". As you know, as for the Japanese population, there is a little over 120,000,000. One uses 1 yen, and 120,000,000 yen change nationwide. Of course it is being believed that the people whom few, save it of increase if the consumption that there "is not by waste" is pushed forward even if all the members do not use it in the same way.



"An overseas rare kit is enjoyed"

TP competition staff JL1KRA Nakashima Junichi
NAKAJIMA Junichi



"This year a contest 8J4P"

8J4P project member JR4HAD
Izuno matsurigotoko IZUNO
Masayoshi



All of QRP clubs; A Happy New Year.

The club seems to have turned big in all the members participation type when we enrolled again, and the staff of QRP competition was become at once.

Distribution kits of a rare overseas club were being produced wholly, and BITX20A of 14MHz SSB was produced last year. There was a big sense of fulfilment in DX-QSO by excellent oar transistor airplane. An aim of this year is production of oar transistor CW airplane 2N2/xx. In a process of modification by the production that the distance to completion is long and information exchange with foreign countries, a heart of a former radio boy is tickled.

In addition, there is fun of only QRP which there is not, and CB radio of 500mW and *syomusen of 10mW are enjoying remodeling willingly.

It is won in the New Year, and a thing and the thought that want to be done of one year want to try to be spelled this year.

- 1. An operative aspect

It is chosen premeditatedly, and CQWW contest others DX contest wants to be participated in this year.

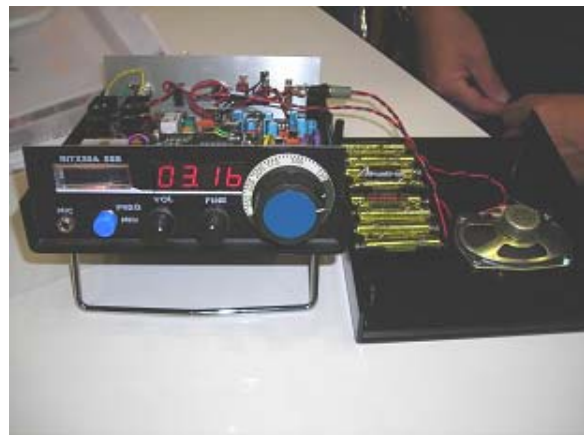
In addition, wacchi of an early morning wants to be laid emphasis on for Africa and QSO of 3.5 mega toward completion of 5BandWAC which continues being chased for many years. It is 2. (thing ka that how is no de which sleepiness to cold niha me pou has weak) The machinery

production to technical aspect (production) this was add-on + ? degree, but RIG system wants to be produced this year. At first did many seniors compose by themselves by all means in the beginning? It is being planned to try to make "two receivers in high 1" with a today's classic part.

An antenna wants to reopen antenna production of 21/28 mega that there was not (if it becomes warm) last year.

- 3. 8J4P should be managed in event

(8J4P) this year, and preparations are being pushed forward. It was possible, and lot of bureaus and QSO were great successes generally last year



Sapporo QRP meeting commuter pass holding

**Eight area staff JA8IRQ
Fukushima truth
FUKUSHIMA Makoto**



QRP clubbers; A Happy New Year.

It is being intended to perform three of the following for my activity of this year.

One) Sapporo QRP meeting is held regularly. Quar. is aimed for.

Two) The Saturday scientific hirobano continuation that is a work classroom for primary schoolchildren. Because hash-up of work done before increased recently, the new material is sometimes announced.

Three) Production of QRP radio airplane and true contact. The machine which it is made, and is left with not finished is completed (a leak high-frequency current, Hi), and contact by the electric wave which splashed the sky wants to be performed.

Extra) Putting in order of a room. A junk and the room which it is acquired, and stopped of a book want to be done in a state put a friend in somehow all over that place.

As for the all of you, the this year; thanking you in advance.



Qualification of a long wave zone; an aim

**Three area staff JS1BVK/3
Yamada Tetsuya
YAMADA Tetsuya**



Qualification of a long wave zone said we to be freed in March, 2009 wants to be put with an aim. This frequency band

there is the history that an amateur has been sent away quickly. Wisdom of ancient people wants to try to be traced some other time now. A measurement method of effectiveness radiation electricity cannot still understand it well, but it is supposed that efficiency of an antenna is thought about whether considerable antenna electricity is needed. It wants to be received a license of 1W in a long wave zone. Then effectiveness radiation electricity seems to become a thing of ? W grade.

"60 aim radio airplane registration!" ! ?

**Leader 2009 whole country meeting project JF2NMY
Takagi Masato TAKAGI
Masato**



A Happy New Year. This year; thanking you in advance.

I should have produced radio airplane in sequence last year by 59 years old, a good year of source, but have been over not to be able actually to produce one. Because we retire in March of this year, it is being expected when time to take for production can be found. 57 radio airplanes are being registered, but it is produced more than three of them this year, and we think now whether it will be done to age and 60 of them of the same number.

The world economy is causing-like very much from about last autumn. There is a wave of business fluctuations whether it is several kinds, but we think whether this big recession is the result that increased neoliberalism and a new instability factor to say in a cycle of a normal business cycle. It is necessary to take negative feedback (NFB) to make an expensive amplifier of stability without a distortion. However, efficiency becomes bad if negative feedback is taken. If an amplifier of the amount of muss gain which pursued only large profit was made without that we become inefficient is avoided, and taking negative feedback, an oscillation will be done immediately. An amplifier considered to be it outside such a safety device does an oscillation, and the situation of the world economy of these days seems like the state that became out of control. Though it has been repeated many times, as for the business cycle, a lesson seems not to be kept alive.

A national meeting of 2009 is to be held in Chita, Aichi peninsula. Because push forward preparations zealously from now on; thanking you in advance.

A gap of brains is revived

**Leader 2008 whole country meeting project JA1IKI
Owada Tadashi
OWADA Tadashi**



We open out, and congratulations. If either was said, my own one could be liked than use and an antenna was taken down and has been already over in 5. The log of last year was what pure white. A lazy person is the cause that an electric wave is not taken out if we walk for five minutes while movement use is living in enacted environment from a top of a hill.

There can be a thing of 144MHzTP competition, and taking out a wave as much as possible want to be laid emphasis on this year. Necessity to revive a gap of the brains which increase steadily by contacting it is being felt in particular recently.

We are thinking whether production will try to challenge some large amount of things not an accessory. It is 73 es72 Tad for 2009 New Year holidays while praying for not becoming a Buddhist priest on 3rd

Use of 50MHz AM is tried hard

**The QRP charge that even who can do
JI3BSB Yamamoto setsu*
YAMAMOTO Setsuya**



Members of a QRP club; A Happy New Year.

Left administration to officers till now, and nothing was heard after the fact, but it was thought that it should not have been this, and oneself was independent, and what could be concerned with was done, and "QRP which it was possible for even to whom" and the serialization which said were begun from last year.

This is the first time that a production article and a serialization article are written again, and serialization flies, and explanation feels it incomprehensible. Because it wants to be made good serialization, please send an opinion of all of you.

A main profession is busy as ever, too, but time is found, and a mountain is climbed, and use in my own plane wants to be performed. Use of 50MHz AM intends to be laid in particular emphasis on.

As for this year; thanking you in advance.

"The microcomputer which can make an analog circuit"

**Owens charge staff JE1ARY
Kuroda Mamoru
KURODA Mamoru**



A Happy New Year.

QRP wants to be enjoyed to the full by own work and use this year.

It was stimulated VNA as a new challenge last year by Sakamoto created by, and FPGA tried to be played with. It is i with a microcomputer

An analog circuit wants to try to play with PSOC becoming a topic as a microcomputer to be able to make a little this year. This is being thought to be whether you are not usable to 144MHz km/TP airplane. The time when such a thing is being thought about is pleasant.

This year; thanking you in advance.

It is "joined to 40 generations"

**Leader 2008 ham fair projects JE1ECF Saito
Takeshi SAITO
Tsuyoshi**



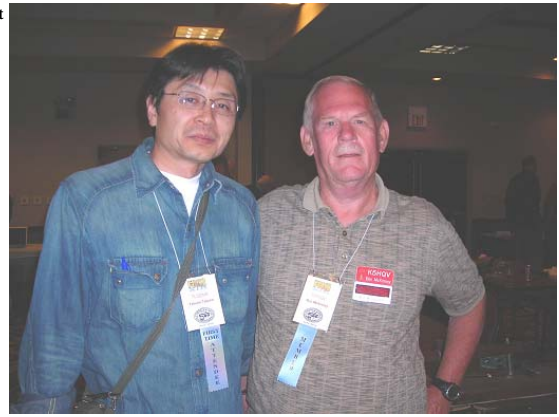
A Happy New Year. When 2008 was looked back on, domestic movement including JD1 suffered from the subject personally, and a soldering iron was not utilized too much. [18 youth tickets were used on the writing day (before, and merger) moved this manuscript in a day in Fujieda-shi from New Year's Day for JCG18007 Okabe-cho, Shida-gun, Shizuoka (2009 years.)] A command was pickled with a member of the executive committee length of a ham fair in a club. It was a state at a complete loss, but we were able to be finished thanks to cooperation of a member of the club in the first thing. Thank you.

By the way, in 2009, it is joining it to myself 40 generations. Among clubs, it is thought that we are younger. Work and a family become the subject, and it is thought that three or four 0's is said in the generation when QRT does amateur radio communications, but even which world is being originally felt when activity in this generation is important. A burden is hanging to secretary general alone in a current QRP club. His ham life that should be pleasant may originally turn into pain as it is. It is considered to be able to support it whether it is myself, what, but it is thought that it is difficult to perform it for continuation through the year, and contradiction is producing it. Matter ha?that naraba, is isolated In toiuokotode this year, poor ability wants to be exerted by a ham fair.

Participation of a ham fair of this club is participation in an exhibition section, and article sale cannot be done. It is that is to say it in announcement such as the QRP use that is being usually performed in own, a report, a place of PR. Therefore it is the best to have exhibit the thing which is being usually used not creating machinery by itself for a ham fair about a showpiece of the own work product exhibition that is Maine of a booth expressly. If it is my own radio airplane, it is publicized utility of QRP use if the operative results are mentioned in comment of explanation other than a connection diagram. Of course an entry of a work aimed for an exhibition is hearty welcome. Because PSN 634 of pride of each bureau and my own plane and subject of a 2mFMQRP contest are rich this year, an entry of each bureau is waited for. It will be announced about the recruitment details of ham fair 2009 in future.

Follow and; to a club; because is asked, but want to have but apply it this year by all means last year about a QRP special bureau of one area that was not managed; thanking you in advance. Actually, it is thought that it is necessary to make the new results because it is thought that we do not have discuss it in the JARL board of directors if we do not apply in February because a license person of this special bureau is JARL, and the manager of a branch office of the Kanagawa branch office which unfortunately is a registration branch office of this club is changing. Representative nitsu of a bureau

i teha; "think, and three better ta ga, operation range ga amateur ni-limited is considered to be it
I ga tomo, and ogani dekire ba to thinks towards masu no de appropriateness, and is masu".
In addition, we want to have add QRP radio airplane of non-registration at the individual
station other than radio airplane owned by a club in radio facilities at the time of
application if use is decided.



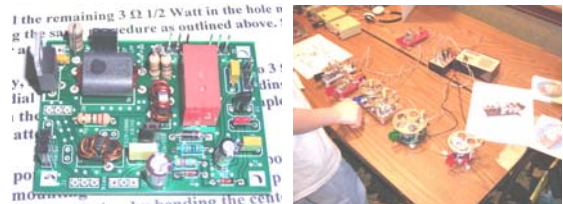
"Make use of experience of Dayton"



A secretary general
7L3DNX Takeno Takumi
TAKENO Takumi

A runover column

2,008 Dayton FDIM was Very Exciting!



In addition, it is thought that we are useful for Dayton tour plan of the this year
that no reference is become. that no reference is become.

Ultimate QRP total power

JH1FCZ Okubo Tadashi
OKUBO TADASHI



JL1KRA Nakajima could be finally made the new staff, and the system that competition of km/Total power could finally activate activity in earnest was set. We have you be in charge of this corner in takeover with Nakajima from the next time. As for the thing of all of you favor; thanking you in advance.

Ultimate QRP total power competition "Welcome to the world of total power"

? Advice (JH1FCZ) to Part 1 the later competition development, own work and use

There may be a problem of some sensitivity, but FM can be asked about with a superregeneration receiver. It can seem to be regenerated with a superregeneration receiver after lowering it to low frequency in super-heterodyne system if there is worry frequently.

In addition, may not slope detection be done with normal regenerative detection device even if nothing goes to a superregeneration receiver? Even slope detection is heard plenty. If this is dropped to low frequency by a super method, we are perfect.

If there is an AM receiver of another frequency, a crystal glass converter is used, and it is dropped to the frequency, and there is a method asked about in slope detection.

It is assumed that we make an effort in the simplest method creates a transmitter by itself, and losing consumption electricity, and there is a hand to use a pocket transceiver of a product made in maker as for the receiver. Judging from a way of thinking of TR, this method has the point that is ichisunfuri, but it may be said that it is much more forward measures than it is thought that it is difficult, and we do not participate.

A receiver

A receiver of FM is surely ichisunmento. However, if structure of the receiver which a maker makes will be imitated, a difficult circuit is surely become, and consumption electricity grows big.

? The staff of Part 2 TP competition began it

JL1KRA Nakajima Junichi
NAKAJIMA Junichi



The staff of TP competition was become from this month. With Chairperson JH1FCZ Okubo, JK1TCV Kurihara in charge of Award is being cooperated with now. The staff is being recruited sequentially. Do TP competition concerning an officer plan, but is the direction that is slightly rough, and a lot of can enjoy without the staff sitting up straight too much; can want to finish it. There may be clumsiness to some extent, too, but please understand it.

Fun of a TP concept

TP electricity vs. RF electricity

Total power (TP) is the thing which is interesting ahead of conventional QRP when a chairperson is asked. In the first place the pleasure that QRP flew in an electric wave with small electricity in the distance was electricity of the RF that the standard said 5W and 0.5W. Antenna electricity of RF is surely a Merkmal with radio engineering and a license of a government office. However, it is spent realistically by a rig, and it is TP of a total of transmission and reception electricity that go out from a power supply / a battery. This one may be said to be an important index to be connected directly with a wallet. With both a mobile phone and a battery car, the index that the companies compete for is durability of a battery, in other words to be TP now. It feels the highest to promote a thought of TP as a QRP ham operator.

RF electricity comes in chokuyomi with passage type electricity system and a terminal model wattmeter, but TP measures the voltage / an ammeter (DVM) as a tool, and transmission and reception total consumption electricity (TPW) will be calculated.

TP competition is a general competition

The TP measurement will be begun at once

"Durability of a battery says this rig, and it is bad" anyone buys a handy plane, and to say. However, an impression is being said severally, and there are a few the people who tried to measure it as TP. Even TP and the RF output turn big by power supply voltage Vcc. Does each one try to scarcely begin participation with a place measuring TP of handy radio airplane on hand? If measured TP values are arranged, it seems that an evaluation axis of a new rig is completed. Because precision resistance a participating person is not leaked out to, and to become a measurement tool free is dispatched, please propose it by all means.

A TP handicap numeration

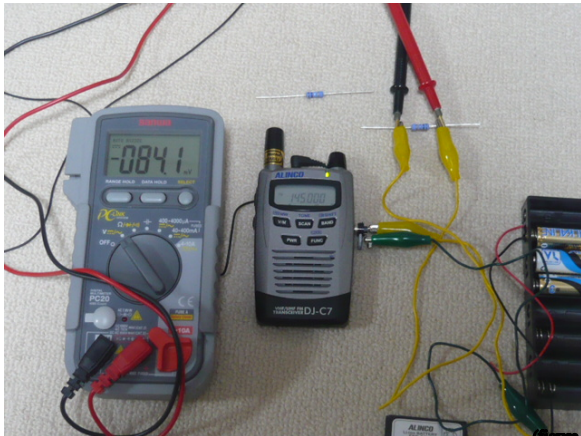
TPW=Vcc * (Itx+Irx), a u with RF electricity (W) to b reciprocal number is taken to "a TP handicap". It is ene value is big. For example, it is value de Vcc=3.7V, Itx=25 * (Itx+Irx) =1.18 (W) neighbor a TP handicap is used when easily calculate with 84km/TP TP handicap became bad w were similar. It seems that t produced in my own plane. Ho (MC223, price 5,040 yen @ amusement park in the case

(list 1:00) A TPW measurement example) item of a com

rig DJ-C7

Catalogue DJ-

Vcc(V)	3.7	3.7
Itx(mA)	250	305
Irx(mA)	70	84
TPW (W)	1.18	1.44
TPW handy cap	0.84	0.69
With 100km ahead	84	84
When it is contacted	km/TPW69	km/TPW



(Figure 1.00) State of the TP measurement of DJ-C7

? A competition participation expression bureau until the present

Entry No. Member of call sign No. Crystal distribution

1JEIECF696144.952JASDIM645144.953JA1HXI319144.804JR1QJO725145.805JKITCV383145.806JG2LGM485

non-7JR3DKA1742145.808JE1RYTH63145.809JK1BMK688145.2010F2NMY356145.2011JH1ARY410145.2012GHEAD341

13JS1BVK288 14JE1UCI315
15JR4EDG571145.0516JG1HCY740

non-17JH4GCN206144.9518JG7BBO804145.2019JA1NHM654145.8020JH7KYD392

217L3DNX699145.65

? How to lead future

It is the last, but it is thought that it is a shame that TP competition is made a contest to compete for only a record as the staff. If small radio airplane production of consumption electricity is competed for, we become same as the world that is proud of a big rhynia. A wheat ball of old Mobil airplane is made LED, and there are use, a challenge with a vacuum tube, and I.t. appears, and it is done. If various QRP can be rediscovered in a new viewpoint of TP, competition is success. At first radio airplane and an antenna want to be begun with joint ownership of a TP operative report in hills and fields.

The TP competition rule that arranged by British culture after next month issue; report the challenge situation of each bureau at once, and start it. Please see tried to be made, tried to be measured, it tried to be managed, and we pass, and, asking you a question off at QRP-ML and the staff directly more and more.

A ,? jikyoku call (QTH) ,? partner is called in the case of a record report on the ? date and time (achievement of QTH) ,? RS exchange ,? distance ,? use rig (TP handicap) ,? TP number (TPW) use of 14.4MHz FM

A bulletin introduces it one by one

(1) Because participation expression of one hoped for

About the distribution of a crystal oscillation child

The following crystal is being managed at the secretariat.
Frequency to become an object is 144.70-145.80MHz (? : By the 50kHz step that is frequency) for FM which fitted a Japanese band plan, VXO of around 50kHz can be coped with. Still this crystal oscillation child was offered by JH1FCZ Okubo Tadashi.



Three five ten two 15 one ten five				
13 five eight five eight five two three seven				
five six eight six one three eight one nine				
one 12 seven four 13 ten six two two eight				
four one five 13 seven three three three				
two eight three eight nine five six four				
five six six distribution crystal 142MHz				
143MHz 144MHz 145MHz 146MHz .000MHz				
??? 5.050MHz ? ? ? ? 6.100MHz				
????? 3.150MHz ? ? ? ? 5.200MHz				
????? 3.250MHz ? ? ? ? ?				
3.300MHz ? ? ? ? 2.350MHz ? ?				
? 5.400MHz ? ? ? ? ? 3.450MHz				
????? 6.500MHz				
????? 6.450MHz ? ? ? ?				
2.600MHz ? 5.650MHz ? ? ? ? 1.700MHz				
???? 4.750MHz ? ? ? ? 2.800MHz				
???? 4.850MHz ? ? ? ? 7.900MHz				
???? 5.950MHz ? ? ? ? 3				

? One desired please contact me to the secretariat in one expression

QRP will be played (pleasant QRP)

Editor JA1BVA Saito Masaaki
SAITO Masaaki



A Happy New Year. Let's play pleasant QRP happily this year.

The beginning of 2009 is given glory to, and thought is introduced from 7K1CPT Yamada to put QRP. Because there is a sequel, please expect it of this contribution, and it is introduced because, in addition, the plan "shochu contest" unique at all was put by JK6MXY Yoshida. Furthermore, 7K4VQV Tsuboi gave a report of "a gathering of Gunma ham" of November, last year to me. Thank you. It is peak form from the ha New Year to "play QRP".

My way of thinking about QRP contact

7K1CPT Seiji Yamada #435

Congratulations in the New Year. Amateur radio communications want to be enjoyed mainly on movement use this year. Thanking you in advance.

Inviting you to 7003 still had one's CW contact in the days of a waddler. It was rare that conversation opened even by contact with the other party station which we let usually wave an S meter well, and sent 599, and rubber stamp QSO was the center, but "a chance" it was easy to be understood, and to send to a partner in the situation that it would be hard of the reception was made, and saiso of the place that was not able to finish being copied was demanded, and, as for most of QRP station which started an electric wave with 7003, it was impressive at all to be enjoying QSO that it might be said that it was right contact. Communication with a partner was got, and it was felt that a lever was the "contact". The number of times that wacchi made nature and 7003 increased, and a timing was waited until, and oneself came to take out an electric wave. Even the reception state that sent 539-339 listened carefully, and RST became hear, and we came to make an effort to be able to understand the contents which a partner was transmitting while there was an omission of a letter to some extent, and supplementing it. Sometimes even the state that must send RST-229 changes even a call sign and a report, and it comes out to let contact conclude. Joy was being felt in an S meter finishing receiving the small signal which did not work. The signal which begins to transmit a long sentence before even 7003 sends RST recently can be heard, and that the reception is suffered from is sometimes experienced. When the experience that oneself has trouble with the reception was done, will a partner be easy to understand it if it is transmitted how when we stood in an opposite situation? It is being thought that it leads to own skill up to think about to.

But there is the reason why an antenna cannot be installed in in a good condition in home, but it is received in the condition that may install dipole of full size if it can be applied at a wide place, and it can be transmitted about the movement use that oneself assumes the subject. The reception is easy to be done, and we are hollow, and transmission of a message efficiency fires an adjusted antenna without leaving over an electric wave of QRP well.

The signal which certainly reaches the other party if electricity is lowered is weak kunarina

It is done. A shortcut to achieve result of QRP is efficient Ante



8J1P/1 is being managed by satellite communications (in a June, 2007 EDC antenna farm)

It is na is used, and to manage it. If a signal of a partner is strongly doing nyukan, 5W may be contacted even if electricity is lowered more without saying. Minimum transmission of a message electricity by one's normal contact is 50mW degree for the moment, but there may be the thing that contact is concluded with smaller transmission of a message electricity if a good timing is caught of condition. On the contrary, the one that was sent when the signal which was able to be received "is transmission of a message electricity 2mW" so far is come to. I feel honored to have thought that only this may receive even a small signal, and, with the thought that a brain falls to, it is being felt. Even if is contacting it at 5W for objection; from though want to "talk partner; when the reception sent it when it is hard", there is it when give power if is possible. Because RIG which is being used well is K2 recently, electricity to 10W turns a knob to uploading it, and it is possible. When leather sandals seem to be become in QSB, there is often that the finals are sent at 10W. In brief, it is thought that electricity should be set to a state at that time.

Because a person applying amateur radio communications is not only QRPer, consideration dekirebayoinaato is considered so that feelings for one's QRP do not give a contact partner dissatisfaction. We want to write the lot that cannot be expressed with a thing about movement use, own work of radio airplane, a story of an antenna, a word at the next opportunity. Hear a signal of much QRPer this year. 72

**? Good-bye Minaminaka-gun, shochu contest ?
o is held.**

JK6MXY Kazutaka Yoshida #798

Sponsorship: A meeting of good-bye Minaminaka-gun

A purpose: Nichinan-shi and Minaminaka-gun merge it on March 30, 2009, and adapt itself to birth of new city Nichinan-shi, and Minaminaka-gun becomes extinct.

Therefore it is managed from Minaminaka-gun while regretting extinction of Minaminaka-gun, and interchange with each bureau is deepened.

A prize: Shochu of Minaminaka product is presented to higher 5 stations which contacted the object station to manage from Minaminaka-gun and QRP station one station.

A participation qualification: A domestic amateur radio station

The object station: JA5DIC/6, JA6SZC, JA6PCG, JE6NIE, JF6EBO, JK6MXY, 7 stations of JR6PUY

) that a permanent setting place becomes use of movement as for (JE6NIE, JK6MXY, JR6PUY for Nichinan-shi

An operative spot of the object station:

Minaminaka-gun, Miyazaki Gomachi, Kita (JCG# 45,007A)
And it is Nango-cho (JCG# 45007B)

Contact point:

JA6PCG, contact two points with JR6PUY station assume contact with the other objects station 1 point, and it is added up by log of object station 7 stations, and order is decided.

An operative period: Until from January 1, 2009 to March 29

Instructions:

1. One contact is effective for contact by the same band for object station each one day.
2. It is a condition that QRP station adds /QRP behind a call sign of jikyoku.
3. Because it is sent out, as for the prize, presentation of log is needless for an address of excellent JARL bureau record.

******* It is ***** from charge**

In February, 2005, JA6UG Takase was visited, and we went out to play. It was managed in a shack of one JA6SZC Kawashima of the contact object station then. All of much JA6 is met here, and a social gathering is a really pleasant memory. It is an electric wave from last Minaminaka-gun, and this "shochu contest" will become a place of valuable interchange. Let's enjoy members, contact with each object bureau. It is a start of 0:00 a.m. in New Year's Day.

(JA1BVA)

A start of Gunma ecology radio club

7K4VQV Tsuboi full moon #785

"The Gunma ecology radio club" where "a gathering of Gunma ham" of JARL Gunma branch office sponsorship was opened in Isesaki-shi, Gunma on Sunday, November 30, 2008, and central, and a QRP clubber in Gunma was formed; (a representative:) It was exhibited as JA1NKU Motegi). JA1BVA Saito and my seven people participated in the participant with a member from JE1ECF Saito, Saitama from JK1TCV Kurihara, JL1AHE Shimizu, JF1RNR Imai, JA1NKU, Tokyo. Exhibition contents moved to my own machinery, a fishing rod antenna of Imai, kiya walk or a bicycle by oneself, and pleasure of what was broadcasted in QRP was appealed to you for. Happy five hours have passed in no time



QSL introduction of a new product of mathematics of pleasan radio

JA1BVA Masaaki Saito

The New Year of 2009 is displayed, and JA6UG Takase, JR4DAH Izuno and QSL of JE1ECF/JD1 Saito are introduced.

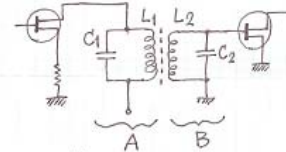


It was managed 1.9 first mega from Mt. Fuji, and it was left a big record last year. Activity is being expected in this year.

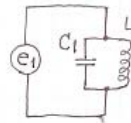


共振回路の計算(その5) JA1BVA 齊藤正昭

並列共振回路か、直列共振回路かは、その回路の信号源の接続位置によって決まります。



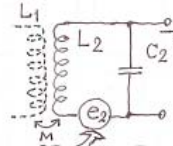
L1とC1で構成されるA回路は、これに加わる信号源は前段の出力電圧ですからこれを e_1 とすると、下図になります。



e_1 から見て、L1とC1が並列に接続されています。従ってA回路は、並列共振回路として動作します。

A回路に共振電流が流れるとL1~L2間の相互インダクタンスにより、B回路のL2に起電圧が発生します。

これを e_2 とすると下図で表わすことができます。

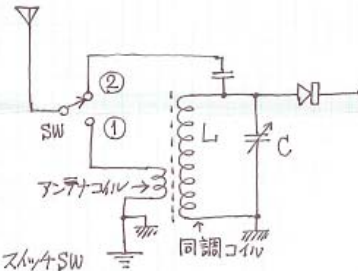


この e_2 に対してL2とC2は直列回路を構成しています。直列共振電流においてC2の両端に発生した電圧が次段の入力となります (M: 相互インダクタンス)

L2内部に発生する誘起電圧を e_2 として外部に取り出す。

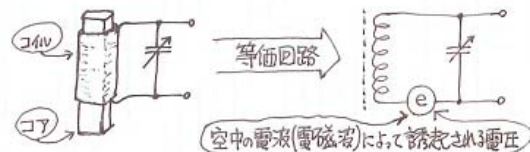
次に考えてみましょう。

ゲルマラジオ(鉱石)です。



- ①: ローインピーダンス側と呼び、L,Cの回路は直列共振回路の動作となる。
- ②: ハイインピーダンス側と呼び、L,Cの回路は並列共振回路の動作となる。

もう一つ、最近では「バーアンテナ」という言葉を余り聞きませんが、これは一見、並列回路ですが、直列共振回路として動作しています。



Award introduction

Award charge staff JK1TCV

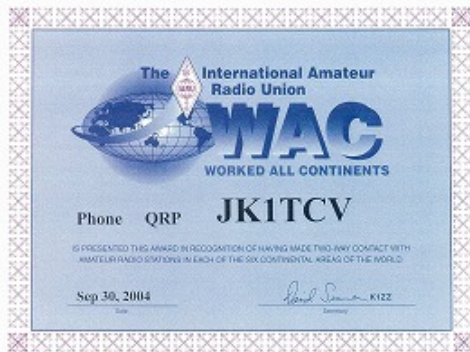
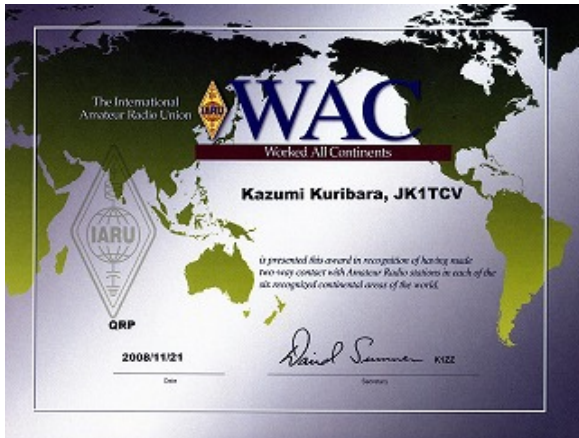
Kurihara Kazusane

KU R I B A R A K A Z U M I



It is an introduction of WAC Award this month.
I acquired it this time.

It was being acquired by CW, special mention of SSB in 2002 and 2004, but MIX was not acquiring it. Because a design was updated this time, we applied. But (it will be merely new curiosity) HI)



Consultation room

Consultation room charge charge staff

JR7HAN Hanano peak line

HANANO Mineyuki



There was a question from JR4EDG Arita this month.

A question from JR4EDG Arita is introduced.

***** It is ***** from consultation here

At the time of ham fair of this year "looking for GDM which watched at time of a ham fair";, in "GDM, is an Esaki diode?" ?? kanankao was a used thing, and a manual not to use chalk load for an oscillation circuit was watched.

A semiconductor-type dip lotion meter is for this choke coil to be cancer. It is because self-resonance (a hall) of this choke coil assumes an oscillation it uncertainly.

Thus we were interested, but neither it, a document of igai nor the goods was watched after all after all. If a person of memory comes, is a person of pertinence taught?

***** It is ***** to consultation here

The result was understood with a thing by the negative resistance oscillator that JH2ECU Numajiri was exhibited when information was demanded in QRP ML in this respect. Because it is introduced to a description of whole story of "Shinjuku QRP social gathering" March, 2008 of this club bulletin, as for this GDM, a person having interest look at that place.

***** *****

Consultation to QRP consultation room is asked for at the following.

It is jr7han@jrd.com in the case of 272-0131 ? 5-2-211, Minato, Ichikawa-shi, Chiba Mineyuki Hanano emails

Contest communication

JF6LIU/1 Togashi Sakae TOGASHI SAKAE

Everybody, A Happy New Year
This year, thanking you in advance
Only a contest calendar is becoming

A January degree QRP section contest calendar

	It is 001.9MHz telegraphic communication - foreign countries		
	CQ World-Wide 100 Meter DX telegraphic communication 1.9-4.30MHz 1.9-1200MHz		contest
	to the second date and time contest excellent frequency section		
24th at	2nd Friday 09:00-09:30 party 4th Sunday 9:00-2009 age at 9:00 on Saturday	QRP CLUB (soil) 2:00QSO	on Kanto

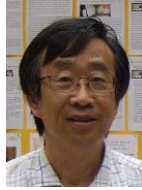
A QRP technology experiment / a production open space

JH2ECU Eijiro Numajiri

NUMAJIRI Eijiro

7LSDNK Takumi Takami TAKENO

Takumi



It is "carried this month because there was a contribution about seven mega CW transceiver kit "TGS-40C" than JR3TGS Inada.



Photograph 1. A board of completed TGS-40C of part implementation

An introduction of seven mega CW transceiver kit "TGS-40C"

JR3TGS Inada Toshihisa
Toshihisa Inada
Member number # 709

My own group and seven mega CW transceiver assembling kit TGS-40C of QRPer expectation were released by "amateur radio communications cheering party (sawariburesyon)".
 When this kit is making of fortunetelling with the thing which the writer developed aiming at own work and the spread of QRP, the QRPer should be strong in QRM.
 utility.

Firstly

Recently the Web top seemed to be full of topics of a kit from foreign countries, but there became few domestic kits. An overseas kit is anxious about support, and acquisition is troublesome, and will not one going through a to second step be woven? In addition, various places of a thought think that oneself wants to try to create it by himself/herself if there is a domestic kit to be able to comparatively easily make if much.

Even if there was not experience made with radio airplane in particular, as for this kit, solder developed "the kit which could be completed comparatively easily" with an aim for such a various places if there was even a skill dated it. In addition, the product which utility pursued to have it was long, and use it was aimed at because enjoying it after completion was reduced to half by the performance that was poor, a function even if it was made with much effort.

DDS is adopted in VFO, and we let reduce a rash sound in key Inge who is common among the movement that is stability without QRH and full break in airplanes, and a device is being put for each place to be concrete. This kit is not attached to a chasis by a board and an offer only for a part, but it is thought that a board can be completed if there is the good that the solder is dated it on the weekend for two days on soil day.

*** length**

- (1) Volume tuning method DDS VFO which VXO like can enjoy.
- (2) Output 1 watt. MOS-FET 2N7000 is used for Para for the finals.
- (3) A power supply voltage range is 8V - 12V. Use with eight dry cells is possible, too.
- (4) A low consumption electric current. Reception time 70mA transmission of a message time 240mA (power supply voltage 12V time).
- (5) Full break-in system. Unpleasant spots spots sound in key Inge reduces.
- (6) In a part of the QRPer should be strong in QRM.
- (7) Only two places of adjustment points. A measuring instrument is needless especially, too.
- (8) New supuriasu regulation is based on.

shi

7MHz Zone amateur band CW transceiver -

It is entered the
 DDS VFO transmission and reception frequency 7.000-7.030MHz
 frequency resolving power 30Hz

full break

Power supply voltage 8V - 12V (12V standard) consumption
 electric current (power supply voltage 12V time) transmission
 of a message 240mA (side tone minimum time) reception 70mA
 (no signal time)



Two steps of IF amplification shingurusupa - heterodynes which there is no RF amplification in
 -3 steps (-6 dB passband
 width 300Hz) IF frequency 4.19MHz IF filter - ladder type crystal glass
 filter RIT variable
 range #B1#201.27kHz (frequency resolving power 10Hz)



Output 1W (50 ? load.) Power supply voltage 12V time) Less
 than supuriasu -47dBc (revised radio facilities rule (new supuriasu regulation) conformity)

The contents of a kit?

This kit is a complete rose kit offering a board for necessary kit and implementation, but the wire rod that it is necessary is not attached to in chassis and speaker, it. For a chassis having prepare separately, YM-250 of Takachi is recommended with a ready-made article.

Board and size AA battery 8 can be just accommodated. In addition to a kit, polite assembling instructions are attached.

A particularly difficult part does not have a DDS IC of the difficult surface implementation type that the solder is dated it about solder zukegasareteimasunode, assembling beforehand.

According to instructions, we may be slightly unsatisfactory to solder zukeshiteyukudakedesunode, an expert person with a part.

But it can be enjoyed only with cho a quality of making of radio airplane because it is necessary for rolling by hand to assume two toroidal cores it.



Photograph 2. A kit and a board, assembling instructions



Photograph 3. A kit is sent in a * pack

An adjustment method?

Radio airplane turned a core of a lot of coils forming a line, and frequency could be put together at a frequency counter, and it was necessary, and it was quite usually difficult for the which did not have and a measuring instrument of a beginner to adjust it precisely.

Because convenience of adjustment is considered with this kit, and it is designed, extra, transmission and reception of seven mega zone can adjust it to dejiboru (a digital tester) it without a special measuring instrument if there are a rig and the dummy road which it is possible for.

In addition, in the point to adjust; of frequency laying upon of adjustment and transmission and reception of BFO

Because it is only only two places, working is easily finished adjustment.

A summary of circuit movement

Movement of the reception department

In block diagram of figure 1, a flow of a signal of the reception department is being shown by a solid line. A signal of 7MHz Zone from an antenna is input into mixer - SA 602 after having passed LPF. SA 602 mixes bureau dispatch of 2.81MHz from DDS (direct digital synthesizer -) with a signal of 7MHz Zone with a DBM (double balance doh mixer -) IC by Gilbert cell, and it is converted into an IF signal of 4.19MHz. Because DDS (AD9834) works as a standard clock in a crystal glass oscillator of 25MHz, stability of frequency becomes equal with precision of crystal glass, and the bureau dispatch that is Takayasu Sadamu is generated very much. An IF signal is input into -6 dB bandwidth, about 300Hz ladders-shaped crystal glass filter -. Frequency selectivity of this kit is decided by this crystal glass filter -. The IF signal which damped a signal of a side enough is amplified with two steps of IF amplifiers by 2SK241 by crystal glass filter -. Because a tank circuit is not being used for output load, this IF amplifier is becoming atonality Hitoshi circuit. In addition, AGC is going by two steps of IF amplification to get a deep AGC characteristic.

A detection step uses SA 602 same as mixer -, and an IF signal of 4.19MHz is being converted into a low frequency of 800Hz. The low frequency amplification is basic LM386, but, by an original addition circuit, a hiss sound from speaker - (a quickly noise to come out when volume was raised) and butsu sound with power supply on/off are being reduced.

Movement of the transmission of a message department

In block diagram of figure 1, a flow of a signal of the transmission of a message department is being shown in a dashed line. With this kit, a change of frequency makes use of a characteristic of possible DDS instantly, and departure from bureau frequency of 2.81MHz is output from DDS while it is received, and a key is downed, and direct, a signal of 7MHz Zone is being output from DDS at a transmission of a message state and the moment when it was it. In this way frequency conversion is not needed, and a simple circuitry is being become because a signal of direct 7MHz Zone is provided at the time of the transmission of a message. The finals are using two MOS FET 2N7000 working in enhansentomodo in Para. It is gone for a drive in square wave from 74HC04, and 2N7000 works with about 50% efficiency. It is connected to an antenna of 50 impedance ? after wave pattern cosmetic surgery in 7MHz LPF of four steps of ? types which a decrement pole of 14MHz was added to, and the transmission of a message output gets about 1 watt at power supply voltage 12V. Because a toroidal core and a microinductor are being used, as for this LPF, unevenness of inductance value is realizing atonality Hitoshi small because plasticity is good. supuriasu is satisfying the new supuriasu standard that is -47dBc (TYP.).

CPU and an outline of software

It is being operated at comparatively low clock frequency 4MHz CPU (a microcomputer) uses PIC16F873A, and to suppress a consumption electric current. Frequency tuning uses the volume, and it is being converted into digital data of 10 bits with an AD converter of a storehouse in CPU. Because 10 bits 1024 is a step; for one step 30Hz; (in other words, frequency resolving power 30Hz)

Frequency variable width of 30.72kHz is being become. In addition, we do not have to worry to do an off band because the voltage of the tuning volume is programed so that transmission of a message frequency becomes 7,000.000kHz at the time of beginning. Still RIT is going at 8 bits (256 steps), and variable width of ,#B1#201.27kHz is become because one step 10Hz are regarded. Busy frequency data are transmitted to DDS by serial data with a control command, and, with CPU, DDS is being controlled. A signal of 800Hz for side tones is being generated by a program. When a transmission of a message mode is become, square wave of 800Hz is output by PIC16F873A, and a wave pattern has orthopedic treatment by a filter by external RC, and it is input into low frequency amplification LM836 after decrement in a reasonable level.

Use with this kit

Crystal glass filter 3 is an element, but we go berserk unexpectedly and ga is good, and power is shown for QRM at the time of contests. Because we are letting reduce spots spots sound to come out of a speaker in key Inge as much as possible, comfortable full break in QSO can be performed. In addition, as for this kit, use at power supply voltage 12V is normal, but use with eight size AA batteries is possible because even 8V work. Because consumption electric current is reception 100mA, transmission of a message around 300mA in the state that raised volume volume, use for a short time is desyou which even a size AAA battery OK's. A sign of 24 start seems to have been observed recently for a cycle, too, and a rise of condition can be expected, too. It becomes warm from now on, and it is a season of movement use with the arrival of spring. All of you please become fun by QRP movement use with this kit by all means, too.



(a battery case and a battery are not attached)

Last

As for this kit, "Tiny Tot Tranny" which is being introduced in a homepage of the writer is suffering from a base, but JA3PAV reason Niki OM catches eye of OM all over the life time, and it is an opportunity of this kit development that tonogo instructions were had with "a kit from OM by all means". Cooperation of "amateur radio communications cheering party kyariburesyon" was got, and manufacture was managed to reach. A will of late Niki OM can be realized safely, and it is thought that OM is surely pleased with.

The space is borrowed from JA1BVA Saito, JH1KKT Matsuda, JA3DIU Heda, each him of JS1BVK/3 Yamada who had trial manufacture of this kit, evaluation cooperate here, and you are thanked.



Photograph 4. TGS-40C which was incorporated in YM-250 of Takachi

(a chasis is not attached)

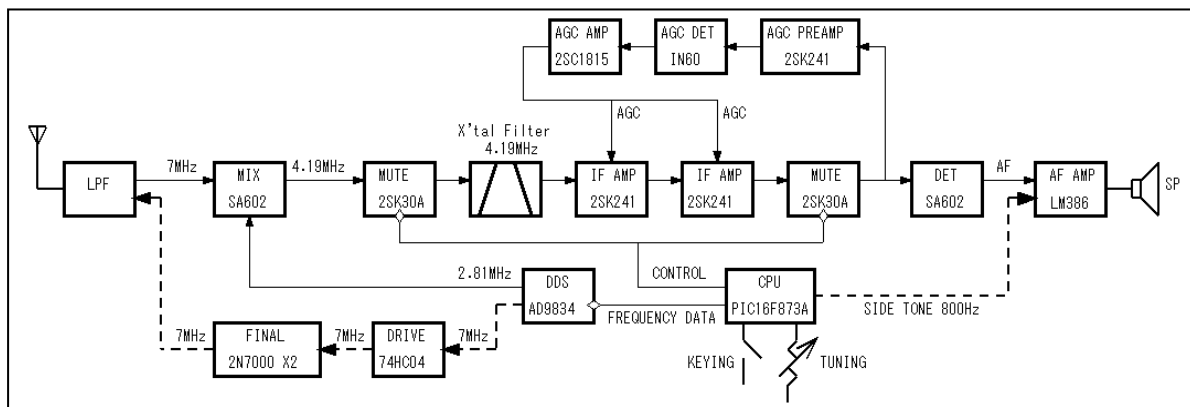


Figure 1. Circuit block diagram of TGS-40C

koro*tsushin (a description of social gathering whole story)

JR1QJO Yabe ichi*

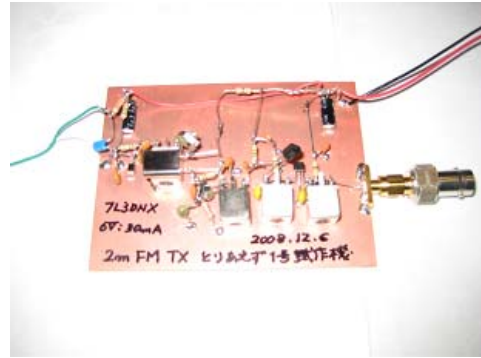
YABE Ichiro



Holding with Shinjuku lion was become according to the average year while saying koro*tsushin because it was a year-end party this time.

The 121st QRP social gathering "Shinjuku QRP year-end party"

The shallows of sai approached, and a year-end party season came again. Shinjuku QRP year-end party was held without leaking in a Tamon storage wall of this club. When it is said why it is Shinjuku, in the first place the birthplace of a QRP social gathering is from Shinjuku. It will be to have been still holding a social gathering in Shinjuku if "Takizawa" of a coffee shop of this club purveyance for the government closes a shop if there is not it. Therefore a year-end party is held with a beer hall / "a lion" of Shinjuku every year not to forget the original intention of a QRP social gathering.



JH7KYD/ Kageyama brought in 2m FM total power airplane with too. It is considered as a finished product, and we come, and we are and a hand must seem to be put in "Eco" still more anymore so as Award to do it.



A member introduction

Secretariat 7L3DNX Takano Takumi

TAKENO Takumi



The new enrollment, the member of reentry society did not come this month.

An open space of a reader

Secretariat 7L3DNX Takano Takumi

TAKENO Takumi



An opinion and the impression that reader of a bulletin gave to me are carried. Please send anything to an impression and an opinion, the suggestion that you saw a bulletin plenty to the secretariat.

Because the present condition was sent than JH4WUI Yoshizaki this month, it is carried. In addition, we are letting, at the same time, carry it with an answer from an officer's meeting, and harm comes because an opinion related to doubt about a budget of this year, an administration method of a commemorative bureau than JA1BVA Saito was had.

JH4WUI/4 Yoshizaki

We are keeping silence for a long time. It is JH4WUI/4 Hiroshima Yoshizaki. Always; publication of a bulletin; thank you.

It is being had a look at for each number pleasure gratefully.

Even if there was an illustration lowered a head in current issue, but there is very unique deiinodehanaikanaakonna time. to was felt.

In addition, as for the publication of a member's card, thank you. Because we were arriving, it was confirmed that Hiroshima was won today.

By the way, it is a present condition report.

DX (an at home DAH-type antenna of Okayama) in QRP5W; of soil day; use is limited in some time, and W7SW / ZL2AL is extremely the results of long-distance communications in 7MHZ. ZL in QRP was 1stQSO. Without QSL of CX5BW which came in QSO in May and sent nodesuga still arriving. Next is QSO gadekirebaiikanaa with EU. AF is considerably considered as a no barrier.

It is wacchi in the degree that a grade of 150mW does not improve in temporary house, and do not forget CW of Hiroshima. It is, chudesu which already collects a ga next you to shiteori masu ga, Kida electronic KE M with a project method as a last resort. -TX7 o base ni 3BandCW transceiver production no part for kit purchase kit. The conventional project was a thing to do that it liked three attractions, half year, though, now. Izuno gives a reception filter of 455k to me, and improvement but even if a project method recruited ra, the talented people whether of a receiver is being considered.

In addition, rearranging of QSL of the past was able to be started projects, we had it be it to the official charge staff to a project leader because time became in 5 a little in after. Of each QRP bureau of the inside, and we were going to shift for use as a meeting. had by use of a day in the 31018C last of my hometown

There was a card, too. It is nothing new to say to is admiring to have been coming in such famous one and QSO.

We are sorry by a topic without in coherent.

Next wants to enjoy QRP so that it is possible for the article which the operative results in DAH of the last month's issue-type antenna +SST40 did properly. 72. .

There was the following contribution from JA1BVA Saito.

Q. It is doubt about a budget of this year.

There are commemorative business financial reserve, commemorative bureau maintenance financial reserve, election costs financial reserve no 3 in a department of one income, but explanation about this is not found in the officer's meeting minutes.

Why will three two above be written in a department of an income? It originally thinks to fill out a department of expenditure as financial reserve.

Should not it be appropriated in decisions outside the standard of such as special accounts after having filled out expenditure?

At first 3 thinks that we want a member to explain a reason it is saved, and to do, contents of a plan. For me, there is in particular big interest what kind of contents commemorative bureau maintenance financial reserve is.

It is a related opinion.

As for me, administration by a project of a commemorative bureau objects.

Because Chairperson at JARL is a license person, and trust of the license person is taken, and a commemorative bureau administers a bureau, it is thought that we take responsibility for a QRP chairperson receiving the trust.

It is thought that the system that instructions of Chairperson QRP are taken, and the person in charge performs real administration ..., instructions to an establishment area is desirable.

Gather, and, in such a meaning, favorite person three people are against establishment by a project of a method. An officer's meeting watches the administration directly well, and it is thought that it must be managed. Any kind of problem is warm in other areas, and ... is arranged how for problem of a rig, problem of an expense, the past three years whether instructions of JARL were able to be protected, and it is thought that we should make a fresh start after solving problems.

The administration that cannot keep instructions of JARL should be stopped flatly. It is wished that an officer's meeting manages it directly without a circle is thrown out to a project from an officer's meeting, and doing administration of a commemorative bureau.

A. It is an answer from a chairperson on behalf of an officer's meeting

We answer from a chairperson about doubt from Saito, an opinion.

An opinion for a commemorative bureau of Saito was considered to be reasonable, but, by rules of a society revision of the point period, various things changed in administration from the beginning for this term. For example, a special display and sale charge officer disappeared. We say unless there is charge, and a done business cannot be broken off so far. Therefore it was decided to cover this administration

The conventional project was a thing to do that it liked three attractions, but even if a project method recruited ra, the talented people whether it was a method an officer's meeting proposed it, and to recruit projects, we had it be it to the official charge staff to a project leader of the inside, and we were going to shift for use as a meeting.

budget could be hard to be accompanied by if we said closely because there was not pending issue processing situation charge, but because enforcement was already planned at that point, Seki ham, a ham fair and a national meeting were assembled as a budget, and it was already carried out.

Because there was not it, a plan of this term is not appropriating an official budget about a commemorative bureau. However, we thought when expense for maintenance of a commemorative bureau-affiliated rig was necessary. It is memory station maintenance financial reserve 50,000 yen of a decision outside the standard of.

Commemorative business financial reserve 100,000 yen for the 60th anniversary foundation, election costs financial reserve 10,000 yen once in three years were prepared for for financial reserve besides. The above is put scenery of financial reserve.

The problem has been pointed out by Saito, but it is that an expenditure item is in a budgetary income column and to have still made a way of thinking to relate to use of the budget that was able to include financial reserve public. It is not made an excuse, but it is caused by the fact that this has much work speaking of a cause. I'm sorry.

A plan to have a project method is taken same as Seki ham of this term, and talented people are recruited from a club, and administration hit it is done, and about a commemorative bureau of 2009 when it is being raised, it is residence rimasu now. In addition, we have a person in charge is established than co-operation of leader each project when there were plural hope of a commemorative bureau, and it be it to the charge staff, and we have administration hit it as a business of a club. In that case, of course, a chairperson has the last responsibility in practice. It is being thought that it is crossed in the next budget of period about a budget.


The above is an opinion of we officer's meeting for an opinion of Saito, but we think unless we are so big and are far apart from an opinion of Saito if we have understand a conventional way of thinking. Would we have understand it?

In addition, this term is being regarded as "age of trial and error" as had declared for an officer's meeting at the beginning for period. Therefore it is thought that problems come out in various ways from now on, but we pray to point out right or wrong if there is the place where it was noticed even if put to members.

News from officer's meeting

Secretariat 7L3DNX Takeno Takumi

TAKENO Takumi



V 6

- (1) The publication ? secretariat of a member's card carries it out and is issued
- (2) Relations of each charge staff and an assistant
It is to be printed in the present table production ? data book
- (3) Staff commission ? staff decision of ultimate QRP competition
- (4) Enforcement of ML between the staff, making of ML for exclusive use of a member
- (5) It is to be printed in maintenance ? data book of a club regulation
- (6) The decision ? same as above of transportation expenses provision rule regulation revision
- (7) A regulation about a club officer and duties of the staff
It is to be printed in ? data book
- (8) Regulations are confused.
A neat summary wants to be done.
It is to be printed in ? data book
- (9) A bulletin is taken, and it is recruited the summary exclusive duty staff

A guidance editor's postscript of a QRP social gathering

7L3DNX Takeno Takumi TAKENO Takumi

Shinjuku social gathering project charge
JR1QJO Yabe ichi*
YABE Ichiro



A QRP social gathering of

January becomes the following holding. Because it is not the first Saturday, please be careful.

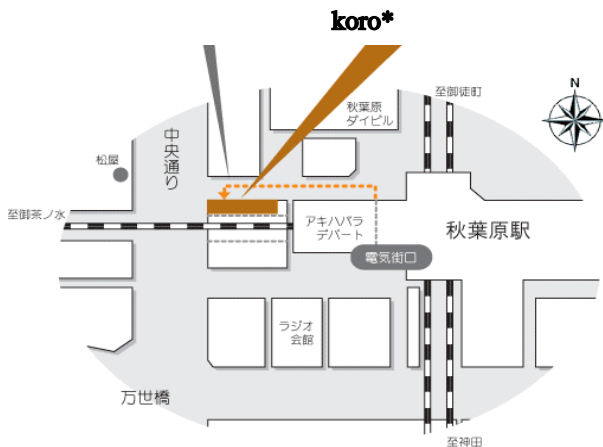
Day time: Saturday, January 17 16:00-18:00

places: It is 1-14-3, Sotokanda, Chiyoda-ku charcoal fire coffee hermitage "koro*" (cf. map)

Akihabara department store equal thing electric wave hall 2F Ph: 03-3251-5359

An inquiry: JR1QJO Yabe ichi* E-mail: ichiro_yabe@nifty.com

* has participate in this social gathering with anyone.



A Happy New Year 2009
This year; thanking you in advance.

All the officers



JA1KGW JR3BLR 7L3DNX JH1FCZ JA9CZJ JR7HAN

We had all of you tell an ambition of this year as a special feature this month. We are very sorry to the person who was not able to ask here, but new age is made the all of you who were not able to ask, and we think whether it is what kosohatoironakotoo is imagining this year. To right or wrong, a bulletin; the present condition; d&a i.

By the way, we were almost delayed, and a bulletin was published in a few state somehow to here from April, last year. However, in fact, it looks back at last year to be sacrificing a considerable thing, and it is being thought that this state is maintained now. For me, there is not even room it is thought what will be done this year, and to surround, and it is how a bulletin of will be already done in February situation only as for being worried. It is similar about use of a commemorative bureau, enforcement especially. When a contest is reached, it is the situation that all of you cannot feed back a result of a contest carried out last year, and it is thought that I very am sorry. Because want to have cooperation of members by all means to break this situation somehow; thanking you in advance. It is necessary to convey the present conditions

Writing it is * thing and thought is written down.

The contribution recruitment

Please see him off at a letter here so or address -504 that is equal to or less than it in a bulletin, a contribution.

211-0042 Takeno Takumi

7L3DNX ? Nakahara-ku, Kawasaki-shi bottom Shinshiro 3-7-3 E-mail: There

E-mail

is a welcome, and communication to the naf01266@nifty.com

again direct bulletin staff is a meeting, too tashimasu.

The contribution deadline to a report is 15th every month.

Fee transfer

1,0 enrollment fee (it is necessary in reentry society) yen (half price less than high school student)

fees (like in the case of continuation)

3,000 member of member of bulletin annual sum 4,000 yen (2,000 yen less than family,

high school student) bulletin PDF annual yen (1,000 yen less than family, high school student) full

sum fee transfer (a postal transfer) subscriber

name: JARL QRP club account number: 00170-5 -15853s

Attention: Please specify it by all means without a communication column is "enrolled in newly",

and a kind (paper or PDF) of a hope bulletin is specified after "the re-enrollment" or "continuation"

and specification, and forgetting a member number (a member of extra-general meeting

of stockholders and an old member), a call sign and a PDF rare ha E-mail address.

Payment of extra-general meeting of stockholders for a period of every year from April 1 to April 30

costs is asked for.

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