



The PROPAGATOR

Illawarra Amateur Radio Society Inc.



The monthly newsletter of the Illawarra Amateur Radio Society Inc.
Registered by Australia Post publication number :- NBH - 1491.

Meetings are held on the second Tuesday each month (except January) at 7.30 pm in the
State Emergency Services building in Montague St, Nth Wollongong.

Visitors are most welcome.

VOLUME 90 No 11

NOVEMBER 1990

EDITORIAL COMMENT

BACK WE ARE AGAIN. BACKWARDS TALK-I. AMAZING, THIS IS OUR FOURTH ISSUE AND NONE OF OUR READERS HAS EVEN DROPPED CARRIERS ON US. WELL BEHAVED LOT, AREN'T YOU?

READING THROUGH THE LAST ISSUE, WE NOTICED HOW MANY MEMBERS THE SOCIETY HAS (IN THE LIST OF FINANCIALS). MAKES US SOMEWHAT ANNOYED THAT WE ONLY EVER SEEM TO HAVE JUST THE "USUAL" FEW IN THESE PAGES. BUT THEN AGAIN, IF WE DON'T TALK TO YOU, OR HEAR YOU, THEN WE DON'T WRITE ABOUT YOU. HELLO TO ALL THOSE MEMBERS WHO NEVER EVEN GET A MENTION.

NOVEMBER SHOULD BE A PRETTY QUIET MONTH FOR A LOT OF THE TIME. BUT ON ONE PARTICULAR WEEKEND, THE ETHER WILL BE ALIGHT WITH ACTIVITY FROM ALL OF THE CRAZY PEOPLE WHO FORGO THEIR NICE WARM RADIO SHACKS TO SIT UP ON TOP OF A WINDY HILL IN A FLAPPY TENT FOR HOURS ON END. (ACTUALLY, AS I WRITE THIS, I STILL DON'T KNOW WHETHER WE WILL BE ON TOP OF A HILL OR ON A FLAT AREA). BUT IT WILL BE FUN. DETAILS INSIDE.

PROGRAMME

THIS HASN'T CHANGED VERY MUCH OVER THE LAST FEW ISSUES, SO WE THOUGHT THAT WE HAD BETTER ADD A BIT MORE INFO ABOUT WHAT IS ON...

NOVEMBER: THIS MONTH WE WILL BE HAVING A MINI-AUCTION, STARRING TONY VKZENX AS THE AUCTIONEER. BRING ALONG ALL OF YOUR OLD GOODIES TO BE SOLD - GEAR CAN BE BOOKED IN FROM 5:30 TO 7PM ON TUESDAY 13TH NOVEMBER. THE AUCTION STARTS AT 7:30PM SHARP.

ALSO IN NOVEMBER IS THE FABLED FIELD DAY. I WON'T WAFFLE ON TOO MUCH ABOUT THIS HERE...SEE INSIDE FOR THE LATEST AND GREATEST DETAILS ON THIS MUCH LOVED EVENT.

DECEMBER: DECEMBER'S MEETING WILL BE A SOCIAL NIGHT, FOR MEMBERS, PARTNERS, OFFSPRING ETC. PLEASE BRING A PLATE (SOMETHING ON IT WOULD BE A GOOD IDEA TOO).

JANUARY: JANUARY IS THE START OF A NEW YEAR, AND WHAT BETTER WAY TO START A NEW YEAR THAN TO HAVE A MONTH OFF! NO PROPAGATOR OR MEETING IN JANUARY.

**** PAGE 1 ****

O.K. HERE'S THE LATEST AND GREATEST ON THE CLUB FIELD DAY. THE EVENT WILL NOW BE HELD ONE WEEKEND LATER THAN PREVIOUSLY ADVERTISED. THIS MAKES IT HAPPEN ON THE 24TH AND 25TH OF NOVEMBER.

THE SITE IS STILL SADDLEBACK MOUNTAIN, HOWEVER WE ARE STILL TRYING TO GET PERMISSION FROM THE RELEVANT AUTHORITIES TO USE AN ESCARPMENT SITE OUT THE BACK OF CORRIMAL. ACTUAL ALLOCATION OF SITES WILL BE ON THE FIRST COME, FIRST SERVED BASIS.

THANKS TO VIC VK2XSV, THE CLUB WILL BE ARRANGING A GAS BBQ AND TWO LARGE TENTS. BRING YOUR OWN: FOOD, DRINK, TABLE, CHAIR, EQUIPMENT, SELF, ETC. THOSE WITH A GENERATOR ARE ASKED TO BRING IT. ANYONE WITH AN EXTRA TENT WOULD ALSO BE WELCOME. REMEMBER THAT THERE IS NO WATER ON THE SITE (EXCEPT RAIN...) TAKE AWAY EVERYTHING YOU BRING INCLUDING RUBBISH.

THOSE OF YOU WHO CAN'T COOK WILL BE RELIEVED TO KNOW THAT IT IS ONLY ABOUT 10 MINUTES' DRIVE INTO KIAMA SHOPS FROM THE SITE. BE WARNED, HOWEVER, THAT THIS WAS WRITTEN BY GRAHAM VK2GID AND IT QUESTIONABLE WHETHER HE DRIVES OR FLIES HIS CAR.

ALSO SUPPLIED WILL BE A LARGE HILL FOR TRANSMITTING OFF THANKS TO KIAMA COUNCIL, AND A TEAM OF OVERNIGHT CRAZIES HEADED UP BY ROB VK2MT TO LOOK AFTER ANY GEAR THAT IS UP THERE. ALL CARE BUT NO RESPONSIBILITY TAKEN. SOME PRIZES HAVE BEEN SUGGESTED FOR SUCH THINGS AS: FURTHEST DISTANCE, MOST CONTACTS, ETC ETC TO SPICE THINGS UP A BIT. (WE ARE STILL HAVING TROUBLE GETTING A SPONSOR FOR THE TROPHY FOR BALDEST MICROWAVE OPERATOR... DON'T KNOW ABOUT THAT ONE).

FINAL DETAILS SHOULD BE AVAILABLE AT THE NOVEMBER MEETING. IF THEY HAVE BEEN DECIDED ON BY THEN. IF YOU WANT TO STAY THE WHOLE TIME, DO SO. IF YOU WANT TO ONLY COME FOR A COUPLE OF HOURS, FEEL FREE AS WELL. WHEREVER IT WILL BE, IT WILL BE A LOT OF FUN.

BELOW IS AN ARTIST'S IMPRESSION OF KEITH VK2OB'S PROPOSAL FOR A FIELD DAY SITE:



DOTC QUESTION

LAST MONTH, KEITH VK2OB RACKED OUR BRAINS WITH THIS TEASER: HOW MANY OSCILLATORS ARE REQUIRED IN A DOUBLE CONVERSION SUPERHETERODYNE RECEIVER, TO BE USED FOR THE RECEPTION OF SSB AND CW?

THE ANSWER WAS (C) - THREE. TWO OSCILLATORS ARE NEEDED AS LOCAL OSCILLATORS FOR THE TWO CONVERSION STAGES, AND ANOTHER ONE IS REQUIRED AS A BEAT FREQUENCY OSCILLATOR TO BE ABLE TO RECEIVE CW OR SSB.

THIS MONTH, KEITH POSES THIS LITTLE NUMBER:

A TRANSFORMER IS USED TO MATCH A SOURCE IMPEDANCE OF 250 OHMS TO A 10 OHM LOAD. THE TURNS RATIO IS:

- (A) 7.07 TO 1
- (B) 2 TO 1
- (C) 4 TO 1
- (D) 5 TO 1
- (E) JUST HOOK IT UP AND SEE WHAT HAPPENS.

**Calling All
Amateurs**

It's time to visit your local
Market at BULLI if you need :-

METERS

ANTENNA MATERIAL

RADIO PARTS

KIT BITS AND PIECES

ELECTRONIC THINGAMYS

TRUE VALUE 4 MONEY

CAVIONS

11 Molloy St. Bulli

Ph (042) 84-6838

ZAPHOD'S HINT 29.6

ZAPHOD HAS FOUND OUT THAT THE LADY OF VK2RAH IDENT FAME HAS LEFT THE EMPLOY OF THE SOCIETY. RU VK2MT HAS INVESTIGATED VARIOUS OPTIONS, AND FOUND ANOTHER VOICE AVAILABLE FOR HIRE. THIS VOICE HAS AN OPERATING TIME OF 120 SECONDS WHICH ROB SAID COULD BE EXTENDED 2 MINUTES IF REQUIRED.

ZAPHOD HAS A VERY SIMPLE SOLUTION TO THIS PROBLEM. I SUGGESTS THAT NOEL VK2ZNS MAY BE ABLE TO CONDENSE THE IDENT TO ABOUT THREE SECONDS.

GOSFORD FIELD DAY

AS YOU MAY KNOW, THE GOSFORD FIELD DAY IS ON THIS COMING FEBRUARY. THIS IS SUNDAY 17TH FEB. (YES, I KNOW, IT'S FOUR MONTHS AWAY, BUT NEXT MEETING IS THE ONLY TIME WE WILL BE ABLE TO GET NUMBERS, SINCE THE DECEMBER MEETING WILL BE TAKEN UP BY THE XMAS PARTY, AND JANUARY MEETING WILL NOT EXIST.

AS GOSFORD IS SUCH A LONG WAY AWAY FOR THOSE USED TO TRAVELLING DISTANCES WITH RF AS THE MOTIVE POWER, WE WOULD LIKE TO KNOW HOW MANY OF YOU WOULD LIKE TO PUT A MINI BUS BENEATH YOURSELVES (HIRING FOR THE USE OF), OR SOME SIMILAR METHOD.

THIS NOT ONLY MEANS THAT YOU DON'T HAVE TO DRIVE YOUR OWN BUM UP THERE, BUT YOU WILL ALSO HAVE THE QUESTIONABLE COMPANY OF FELLOW AMATEURS IN A CONFINED SPACE.

THE BUS WOULD BE LEAVING ON THE MORNING OF THE EVENT AND RETURNING AT A TIME TO BE DECIDED UPON. IT SHOULD BE A FUN DAY AND THICK OF ALL THE BARGAINS THAT YOU COULD PICK UP. THE MORE THAT WE GET TO COME, THE CHEAPER IT IS.

JAMBOREE ON THE AIR
AN ADDICT'S VIEW

MANY YEARS AGO, A YOUNG SCOUT WAS TALKED INTO GOING ON A CAMP DOWN TO BASS POINT, NEAR SHELLHARBOUR. THIS PARTICULAR CAMP WAS UNUSUAL, IN THAT REAL PEOPLE (SCOUTING NICKNAME FOR OUTSIDERS) WERE ALSO THERE. THESE REAL PEOPLE WERE A BIT WIERD IN THEIR OWN WAY, THOUGH. THEY DELIGHTED IN BUILDING SCULPTURES OUT OF WIRE, THEN SITTING AROUND IN TENTS TALKING INTO LITTLE BOXES IN OBSCURE CODES: "CO DX VK2AMW 73 OSL".

OUR YOUNG SCOUT WAS INTRIGUED BY THIS ACTIVITY. HE HAD SEEN THE TRUCKIES MUCKING ABOUT OVER CB RADIO BEFORE, BUT THESE RIGS WERE SOMETHING ELSE. WHAT'S THAT? THAT FELLA SAYS THAT HE IS IN ENGLAND? NOT BAD FOR A SETUP WITH NO WIRES TO ANYWHERE.

SEVERAL YEARS WENT BY, BUT FROM THAT TIME, THIS FELLA WAS ALWAYS INTERESTED IN RADIO COMMUNICATIONS. EVENTUALLY OUR FRIEND CAME ACROSS A BOOK WITH QUESTIONS IN IT, SOMETHING TO DO WITH AN AMATEUR EXAM. HE RECKONED THAT IT WASN'T TOO HARD, SO HE SAT DOWN TO WORK, STUDIED UP A BIT AND PASSED THE FULL CALL THEORY.

THIS GAVE ACCESS TO THE HIGHER BANDS, BUT SOMETHING WAS STILL MISSING. AFTER SPENDING SEVERAL DOLLARS ON A RIG AND PRACTISING MORSE CODE, A K-CLASS LICENCE FOLLOWED. FINALLY OUR SUBJECT COULD WORK THE WORLD.

ONE OF THE PEOPLE IN THIS WORLD WAS ANOTHER LOCAL AMATEUR WHO WAS A SCOUT LEADER. AFTER AN INCREDIBLY SHORT AMOUNT OF PERSUASION, OUR MATE WAS DOWN THE LOCAL SCOUT HALL WITH RIG AND ANTENNAS FOR JOTA 89.

NOW A SERIOUS ADDICT, THIS BLOKE WANTED MORE. MONTHS OF SERIOUS PRACTICE LATER, HE WAS THE SMILING RECIPIENT OF A PIECE OF PAPER FROM EITH VK2OB, WITH THE MAGIC WORD "PASS" NEXT TO 10 WPM RECEIVING.

THE CALENDAR MARKED OFF THE MONTHS TILL OCTOBER. THE STUFF WAS ALL PACKED UP AGAIN AND DOWN THE SCOUT HALL ON FRIDAY TO SET UP.

TONY VK2ENX AND GRAHAM VK2GID FOUND THEMSELVES DOWN AT KEIRAVILLE SCOUT HALL FOR THE JOTA WEEKEND THIS YEAR. WE HAD THE KEIRAVILLE VENTURER SCOUTS (15 TO 17) AND ROVERS (18 TO 26) AT THE HALL FOR THE BULK OF THE WEEKEND. SOME KEIRAVILLE CUB SCOUTS (8 TO 10), AND SCOUTS (11 TO 14) ALSO CAME AND WENT, ALONG WITH SOME FROM OTHER GROUPS AS WELL.

OPERATIONS-WISE, WE DIDN'T GET UP TO MUCH HF-DX. BUT SOME LOCAL CONTACTS ON THE HF RIG, AND SOME MORE WORK ON TWO METRES MEANT THAT EVERYONE HAD A GOOD TIME. IT WAS ACTUALLY QUITE AN EFFORT TO DRAG SOME OF THEM OFF THE RIG WHEN IT WAS TIME TO SLEEP FOR THE NIGHT. THEN THEY STARTED PLAYING BASEBALL IN THE HALL. HMMMM...

MANY THANKS TO ALL OF THE MEMBERS THAT TOOK TIME OUT TO TALK TO VK2SCK FOR THE WEEKEND. PETER, KEN, JOHN, SIMON AND A FEW OTHERS ALL SAID HELLO AT TIMES, AND ALSO STEVE FROM DOWN THE COAST HAD A YACK TO US FROM THE NOWRA HILL JOTA STATION VK2SNH.

THE VENTURER LEADER, MAX, FIGURED WE DIDN'T HAVE ENOUGH TO DO AND DROPPED THE GEARBOX OUT OF HIS TRUCK, SO AS WELL AS ALL THE ELECTRICAL, THERE WAS A BIT OF MECHANICAL WORK TO BE DONE AS WELL.

ON SATURDAY NIGHT, VK2ZZZ DROPPED IN AND LEANT A HAND IN OPERATING, AND HIS FT-767GX HIT THE BANDS IN ANGER. I WAS STUNNED - IT WAS IMPRESSIVE (READ, HUGE).

SUNDAY AFTERNOON FINALLY CAME, AND DOWN CAME ALL OF THE CAREFULLY LASHED ANTENNAS, AND AWAY WENT ALL THE RADIOS. EXCEPT FOR LUBBY, SITTING THERE CALLING INTO THE TWO METRE SET TO A BAND THAT DIDN'T LISTEN. PACK IT UP, LUBBY.

SEE YOU AGAIN NEXT YEAR?? YOU BET!

For People Who Want Quality and Support a Realistic Price

Thinking about PC's??

We sell quality IBM COMPATIBLES with Superior specifications to the original AND at much LOWER PRICES

XT, AT and 386 compatible Computers

All are TURBO machines and have 12 months warranty.

All we ask is that you PHONE US before buying
COMPUTERS, SOFTWARE or PERIPHERALS.

SOFTWARE

Available - Educational,
Real Estate, Milko, Doctor,
Hire, Register, Accounting,
Sales Monitoring and
Programming Languages for
IBM and compatibles.

HARDWARE

Available - All peripherals
for IBM and compatibles
Including Printers, Monitors,
Hard Disks and Expansion
Cards.

OTHER

Consulting, Contract
Programming and Training
Available. We have been in
the industry since 1979.

For your Computer needs phone

Janson Computer Services

Ph (042) 61-5451

PRINCESS HWAY DAPTO

CHRISTMAS PARTY!

IN ADDITION TO THE SOCIAL NIGHT WHICH WILL BE HELD AS THE MEETING IN DECEMBER, THE SOCIETY IS HAVING A DAY-TIME EVENT AS WELL.

THE PLACE TO BE IS BYARONG PARK, MOUNT KEIRA (NEAR THE ARCHERY), ON SUNDAY 16TH DECEMBER. THIS IS ANOTHER TIME TO SHOW YOUR WIDOW AND ORPHANS THAT THE PEOPLE WHO TALK TO YOU ON THE RADIO ARE ALSO REAL PEOPLE TOO. FURTHER DETAILS ON THIS DAY WILL BE GIVEN NEXT ISSUE.

ZAPHOD'S HINT NO 22NS

(THIS ISSUE WAS GOING TO BE LEAVE-ROB-ALONE ISSUE. PITY ZAPHOD NOTICED DURING THE QSL CA BUSINESS, THAT ROB VK2MT HAS METHOD OF MAKING SURE OF QSL CARD IN AMONGST OUR PILE OF QSL'S. THIS MONTH WERE TWO CARDS FR VK2MT TO THE SAME STATION, FOR T. QSO'S ON THE SAME FREQUENCY AT SAME TIME ON THE SAME DAY. NI ONE, ROB.

ZAPHOD ADVISES THAT THE VK2 Q. BUREAU (OK - WHO WAS THAT TH. GROANED THEN?) IS NOT HAVING A TV FOR THE PRICE OF ONE SALE. AI SENDING IN LOTS OF CARDS I DETRIMENTAL TO THE NUMBER OF TREE ABOUT THE PLACE.

REPEATER REPORT

WELL, THIS HAS BEEN A FAIRLY EVENTFUL MONTH. FIRST OF ALL, WE GOT A CALL FROM THE COMPANY THAT WAS MAKING THE DIPLEXER FOR VK2RUW. DUE TO DESIGN LIMITATIONS, THEY WOULD NOT BE ABLE TO BUILD A DIPLEXER TO OUR SPECS WITHOUT ALMOST DOUBLING THE PRICE. COMMERCIAL DIPLEXERS USE DIFFERENT SPLITS FOR THE INPUT/OUTPUT FREQUENCY THAN THE AMATEUR 5MHZ.

AFTER DISCUSSIONS AT THE LAST COMMITTEE MEETING, IT WAS FELT THAT THE EXTRA COST WAS NOT WORTH THE ADVANTAGES OF A DIPLEXED REPEATER. THIS WAS A BIT OF A LET-DOWN, BUT WE OBVIOUSLY HAVE TO BE SENSIBLE ABOUT THE SOCIETY'S LIMITED FINANCES. (THIS IS ASKING FOR A BRACKETED COMMENT, ROB...Ed). IN THE MEANTIME, KEN VK2TKE AND MYSELF STARTED MAKING ARRANGEMENTS FOR USING TWO ANTENNAS AT OUR PROPOSED NEW REPEATER SITE.

ON THE 12TH OF OCTOBER, I VISITED HILL 60 WITH SOME TEST GEAR TO HAVE A LOOK AT THE "SQUEAL" THAT THE REPEATER WOULD GET AFTER A FEW MINUTES. IT WAS NOT AN ON SITE REPAIR, SO WE REMOVED IT AND VISITED GRAEME VK2CAG. HE WAS CONFIDENT AS TO THE PROBLEM, AND EVEN WITH HIS HEAVY WORK COMMITMENT HE MANAGED TO REPAIR AND REINSTALL THE REPEATER IN ONLY A FEW DAYS.

A WEEK LATER, THE DIPLEXER COMPANY CONTACTED US AGAIN. THEY WOULD GO AHEAD WITH MAKING ONE FOR US AT THE LOWER PRICE IF WE STILL WANTED IT. WHAT CHANGED THEIR MINDS WAS THAT ANOTHER AMATEUR CLUB FROM VK3 HAD ASKED THEM IF THEY COULD MAKE ONE FOR THEM. THE COMPANY WOULD "TOOL-UP" AND MAKE TWO DIPLEXERS, AS LONG AS BOTH CLUBS WERE INTERESTED. I DON'T KNOW WHO THE OTHER CLUB WAS, BUT VY TNX. SO WE ARE BACK IN BUSINESS WITH IMPROVING RUW.

ON THE 13TH, WE HAD A WORKING DAY AT MT MURRAY. IN ATTENDANCE WERE WAYNE VK2XTE, CHRIS VK2XBC, KEN VK2TKE, KEN VK2KKG WITH FIRST, SECOND AND THIRD HARMONICS AND MYSELF. WE HAD TO LOWER THE MAST A

AND CHECK VK2RAW'S ANTENNA FOR ITS HIGH VSWR. A METER ON THE BASE OF THE ANTENNA FOUND THE READING TO BE THE SAME AS AT THE END OF THE HELIAX. FURTHER CHECKING FOUND A SMALL HOLE NEAR THE TIP OF THE ANTENNA WITH A BLACK SMUDGE AROUND IT. LOOKS LIKE OUR THIRD LIGHTNING STRIKE.

THE COLINEAR WAS REMOVED AND REPLACED WITH THE SMALLER ANTENNA FROM THE PACKET SYSTEM, WITH A TEMPORARY ANTENNA BEING RIGGED UP FOR PACKET. THE DAMAGED ANTENNA IS PRESENTLY BEING REPAIRED. WE ALSO FOUND THAT THE PACKET COLINEAR HAD A VSWR AROUND 2:1, BUT THE MUCH IMPROVED REPORTS ON VK2RAW'S COVERAGE SHOW THAT IT STILL WORKS BETTER THAN THE LIGHTNING MODEL.

BY THE WAY, THE DAY THAT WE WERE UP THERE, THE WIND WAS BLOWING VERY STRONGLY FROM THE SOUTHWEST. IT WAS A TOSS UP WHETHER IT WAS SAFE TO LOWER THE MAST. WHILE WE ALL WAITED AROUND SHIVERING, KEN DUCKED BACK TO HIS CAR AND RETURNED WITH A LITTLE GAS STOVE, BILLY, WATER, CUPS, TEA, COFFEE, BICKIES AND CAKE. HE THEN PROCEEDED TO MAKE US ALL A VERY WELCOME BREW TO THAW OUT WITH. LIFE'S REAL TOUGH WITH KEN ALONG.

WITH ONLY A FEW LINES LEFT, A QUICK REPORT ON THE OTHER REPEATERS:
VK2RIL - STILL NO PROBLEMS EVEN WITH THE EVER INCREASING NUMBER OF SERVICES TAKING UP RESIDENCE ALONGSIDE IT.
VK2RAH - BASICALLY WORKING WELL, BUT I'M STILL NOT TOTALLY HAPPY WITH PERFORMANCE. I WONDER IF I EVER WILL?

THAT WRAPS UP ANOTHER MONTH AND I THINK I'M PUSHING THE FRIENDSHIP WITH THE EDITOR BY TYPING THIS MUCH. SO TILL NEXT TIME.

BEST WISHES,
ROB VK2MT

PS: DON'T FORGET ABOUT THE FIELD WEEKEND...IF YOU AREN'T THERE, WE'LL TALK ABOUT YOU.

SILENT KEY FOR ++ VK2EBI ++

It is with sadness we announce the passing away recently of a fellow Member and friend.

THOMAS KEVIN MURPHY (affectionally known as "KEV" by his mates) passed away at his home in Balgownie on 25th August 1990..

Kevin aged 80 years, died from a heart attack. This was the second attack, the first being in 1987. Kevin had also been troubled with poor hearing and eyesight during the last few years of his life.

Kevin was born in Nowra and first became interested in radio when he listened to the broadcast (on a crystal set) of the take off flight of Kingsford Smith on his solo flight to New Zealand in 1929/1930.

Kevin married Theresa (tess) and soon became a family man. in 1941 the Murphy family moved into the Wollongong area and Kevin took a job at Lyasights as an electrician. in 1943 he joined the Volunteer Coastal Patrol and carried on his voluntary work until 1945.

In 1974, on the death of his wife Theresa, (after 30 years of married bliss) Kevin started to think again about the hobby of radio that he had been interested in when young.

Although he had a few Hobbies already such as stamp and coin collecting he decided to join a radio Club and go for his licence...

He joined the Illawarra Radio Club in 1976 and sat for his exam in 1979 and passed the same year. 1 year later he sat and passed his full call exam. And so the well known call of VK2EBI was hitting the airwaves..

VK2EBI (KEV) will be missed but not forgotten, and there will always be a token reminder in the Illawarra Radio Club room as the Murphy family has kindly donated Kevins MORSE KEY to the Club.

I know that the Illawarra Radio Club Members and Kevin's many Friends, would like to take this opportunity to offer their sympathy and condolences to Kevins Family... R.I.P.

KEN VK2KWG SENT US THE FOLLOWING EXTRA COMMITTEE MINUTES AS RECORDED BY VIC VK2XSV. SORRY THAT WE HAVEN'T HAD TIME TO RETYPE THEM FOR YOU...

約土謂遵守聯合國決議 對伊執行空中禁運令

【新華社訊】約旦國王侯賽因昨日在國會的演說中，重申約旦將遵守聯合國通過的對伊拉克執行空中禁運令。侯賽因國王在演說中，對聯合國安理會第六七〇號決議案表示讚揚，並說約旦將遵守該決議案。侯賽因國王在演說中，並說約旦將遵守該決議案。侯賽因國王在演說中，並說約旦將遵守該決議案。

反對外國軍隊褻瀆聖地 伊朗促全球回教徒 週五發動反美示威

【新華社訊】伊朗昨日呼籲全球的回教徒週五發動反美示威，抗議美國所領導的聯軍對伊拉克的經濟禁運。伊朗政府發言人昨日在德黑蘭表示，美國對伊拉克的經濟禁運，是違反國際法的。伊朗政府發言人昨日在德黑蘭表示，美國對伊拉克的經濟禁運，是違反國際法的。

美母艦進入波斯灣 加強執行聯合國禁令

【新華社訊】美國海軍母艦「獨立號」昨日進入波斯灣，加強執行聯合國對伊拉克的空中禁運令。美國海軍發言人昨日在華盛頓表示，「獨立號」是美國海軍有史以來最大的軍艦。美國海軍發言人昨日在華盛頓表示，「獨立號」是美國海軍有史以來最大的軍艦。

聯合國安理會通過的決議，對三個月出巴格達的飛機服務，並未造成影響。一架伊拉克飛機抵達安曼，而另一架被截。外交人員的客棧亦將於稍後從巴格達抵華。美國外相賴斯對美國廣播公司說，這項聯合國禁運案為實施空中禁運提供了方法及途徑，而不需要擊落違例的飛機。

伊朗會隨週五伊拉克八月一日的入侵科威特，但它對於由美國所領導的軍艦為防止伊拉克的可能襲擊，以及執行聯軍對伊拉克的經濟禁運，而進駐沙地和海灣表示遺憾。伊朗特別感到遺憾的是非回教軍隊進駐擁有麥加及麥地那兩處回教聖地的沙地。

母艦加入在海灣的美國艦隊行列，支援以美國為首在沙地部署的多國部隊。而「獨立號」是其中一艘航空母艦。美國官員又表示，有超過十六萬五千美軍，其中包括那在戰場上的，正在開進或已進入波斯灣地區。這個數目預計會在十一月，增加至二十七萬，更有可能高達二十五萬人，成為美國自越戰以來最龐大的軍事行動。與此同時，又有廿名美國國防部發言人稱，伊拉克於去週增加在科威特及伊拉克南部的駐軍及坦克數目。目前，約四十三萬名伊拉克駐守上述地點，較上週的三十六萬總數有所增加。

See Jack at

NEWTEC ELECTRONICS

We stock

Alarms, antennas, kits, tools, cable, data books, Goldstar test equipment, Electronic components for the professional, Amateur and hobbyist.

102 Kembla St. Wollongong
(opp. Wgong Bowling Club)

Ph. 27-1620

KEITH'S EXAMS

KEITH VK2OB (THERE'S THAT CALLSIGN AGAIN) ADVISES US THAT THE NEXT ROUND OF EXAMS WILL BE HELD ON THE 20TH OF NOVEMBER, AT WOLLONGONG TAFE COLLEGE, BUILDING Q, ROOM 259. SEE KEITH BEFORE MONDAY THE 12TH TO REGISTER. ONE PLACE YOU CAN FIND HIM IS IN THE ROOM ABOVE ON MONDAY NIGHTS FROM ABOUT 5:30 FOR A COUPLE OF HOURS.

FOLLOWING THE IMMENSE SUCCESS OF PETER VK2KHE'S MORSE NET, WE SUSPECT THAT THE MORSE SECTIONS OF THE EXAMS SHOULD BE WELL ATTENDED.

MORE PACKET RACKET

THOSE OF YOU WHO DID NOT MAKE IT TO THE OCTOBER MEETING MISSED OUT ON ONE OF THE MOST UNUSUAL OCCASIONS. RAY VK2XCC RECEIVED HIS FIRST PACKET MESSAGE (VIA THE COMPUTER AND RADIO OF THE GURU, JOHN VK2XGJ). WHAT IS THE WORLD COMING TO???

POST BOX

- ALL MAIL CAN BE SENT TO "THE ILLAWARRA AMATEUR RADIO SOCIETY" AT PO BOX 1838, WOLLONGONG, 2500.

REPEATER

-VK2RAH - 29.520 VOICE HF MT MURRAY RX
 29.620 KNIGHTS HILL
 -VK2RAW - 146.850 VOICE VHF MT MURRAY
 -VK2RIL - 147.275 VOICE/RTTY VHF SUBLINE PT
 -VK2RAW - 147.575 PACKET VHF MT MURRAY
 -VK2RUW - 438.225 VOICE UHF HILL 60
 -VK2RIL - 438.725 VOICE/RTTY UHF SUBLINE PT

(OFF AIR)

BROADCAST

-IS ON SUNDAY EVENING AT 6.45PM, IN RTTY MODE, TRANSMITTED ON 147.275 AND RELAYED ON 3.618 MHZ +/- QRM. CALL BACKS TAKEN IMMEDIATELY AFTER VOICE BROADCAST HELD AFTER WIA RELAY ON 146.850 MHZ (VK2RAW) AND 3.618MHZ +/- QRM.

WIA RELAY

-ON 146.850 MHZ AT 10.45AM AND 7.15PM EACH SUNDAY.

NEWS LETTER

-PUBLISHED EACH MONTH TO REACH ALL FINANCIAL MEMBERS IN THE WEEK PRECEDING THE CLUB MEETINGS. ARTICLES AND LETTERS ARE VERY WELCOME.

MEMBERSHIP

-\$15.00 P.A. CONCESSIONS \$12.00 P.A.

LAWRENCE HARGRAVE AWARD

-VK STATIONS REQUIRE 10 CONTACTS WITH IARS MEMBERS. OVERSEAS STATIONS REQUIRE 5 CONTACTS. ONE CONTACT WITH THE CLUB STATION VK2AMW IS SUITABLE. DETAILS OF CONTACTS ARE TO BE SENT TO THE CLUB SECRETARY.

STORE

-THE CLUB STORE IS OPEN AT EACH MEETING.

***** COMMITTEE *****

PRESIDENT
SECRETARY
TREASURER
ASSIST SEC
TREASURER
ASSIST TREAS
COMMITTEE

-VK2KWG - KEN GRIMM
 -VK2KEY - PAT JORDAN
 -VK2KCV - PAT KENNEDY
 -VK2XSV - VIC HEE
 -VK2TKE - KEN GOODHEW
 -VK2KHE - PETER TOMLIN
 -VK2MT - ROB MCKNIGHT
 -VK2FPN - PETER READ
 -VK2KLH - BRIAN CLARKE
 -VK2MT - ROB MCKNIGHT
 -VK2KHE - PETER TOMLIN
 -VK2TKE - KEN GOODHEW
 -VK2TPH - PHIL HOWCHIN
 -VK2GID - GRAHAM DENNEY
 -VK2JBS - BILL STONE
 -VK2MT - ROB MCKNIGHT
 -VK2XSV - VIC HEE
 -VK2XGJ - JOHN SIMON
 -VK2KHE - PETER TOMLIN
 -VK2XLA - GRAEME EAST
 -VK2XGJ - JOHN SIMON
 -VK2KLD - LES DAVID

REPEATER PRES
REPEATER COMM

QSL CARDS OUT
QSL CARDS IN
PUBLICITY
BROADCAST
CARTOONIST
PROPAGATOR ED
PRINTERS
SOCIAL DIRECTOR
CANTEEN
STORE
TOWER CO-ORD
DOTC LIASON
LIFE MEMBERS

-VK2AXI - BRIAN WADE
 -ZAPHOD (VK2XOX, VK2JBS, VK2GID)
 -VK2DSH - DALE HUGHES
 -VK2XCC - RAY BALL
 -VK2DYU - BILL CHADBURN
 -VK2XSV - VIC HEE
 -VK2XSV - VIC HEE
 -VK2OB - KEITH CURLE
 -VK2ALU - LYLE PATISON
 -VK2CAG - GRAEME DOWSE
 -VK2OB - KEITH CURLE

(YOUR NAME COULD BE HERE, ...)