

on a coded word, the sender should spell out the coded word, then repeat the code. 11. When sending a difficult word or a proper name, the sender should pause briefly, then send the word or name in a moderately slow, but steady pace, without repetition. Paradoxical as it is, it isn't the time one makes but the time one loses that really counts. (We are seldom concerned with lost time. Our aims should be to send precise signals, space properly between letters and between words, and pace the sending speed according to the receiver's ability.)

We can intersperse the ARRL abbreviations with this short hand with little or no confusion; however, there is one ARRL abbreviation that I prefer not to use. The figure "4" is the Phillips code for "where". Sometimes "4" is combined with letters to form a code word, as in AY4 - Anywhere, and EY4 - Everywhere, but BF, not B4, is the Phillips code for "before". If a receiver stops a sender for a moment, then just says "GA", the sender would say "4" if not sure just where he is to resume the transmission.

In the early days of sending press reports via telegraph lines, most of the reporters were Morse operators. These reporters would give each story a title with a "By line", as is still the practice, but they would sign such a report "30", meaning "End of this report".

In American Morse, 30 is ...-. ___, but when it means "End of all transmission from this station", it is usually transmitted ...-.-

Phillips Short Hand For
American Radio Amateurs
ABRIDGED DICTIONARY

By Charles Gordon Hieronymus, W 2 G W S

In 1879, Walter P. Phillips expanded and standardized a telegraphic short hand that had been developing among press operators over a period of many years. The purpose of the code was to make it possible for the sender to move press reports with the least physical effort. There were no bugs or other sending devices, so all sending was on straight keys. By using Phillips code, an operator could send at a moderately slow speed and still move as much press as if he had been spelling out every word while sending at top speed.

The use of Phillips code was not permitted in the texts of telegrams, but was used only in moving press reports, either "press specials", each sent on a direct circuit set up for that one special or on large leased circuit networks such as used by the AP and the UPI.

The receiving operator spelled out every word, so the editor could make modifications and send the original copy directly to the typesetters.

This list of telegraphic short hand groups is mostly an abridgement of The Phillips Code as it was revised by E. E. Bruckner in 1925. It is not really a code, but is similar to Gregg short hand in some ways, yet it is distinctly different in one way. (See next page.)

Gregg uses hand written long, short, and broken lines, long and short curves, and combinations of these for letters, words, and phrases, whereas Phillips code is made up of various combinations of letters of the alphabet transmitted in Morse code for the purpose of saving the physical efforts of the senders of press reports, which are translated in full by receiving operators as they copy the reports.

It is second nature for old Morse operators to use short hand groups in QSOs with other hams whom they know to have been Morse operators of the large Morse telegraph press circuits era, and when talking with experienced amateurs who can be expected to be able to translate the groups because the sender uses them judiciously in the context of their conversation.

In fact, it was just such a situation that caused AF2L to request me to send him a list of about 50 of the most commonly used Phillips code words in QSOs between Morse operators of the old school. I had used a few groups in conversations with him. No group was used except wherein I was reasonably sure he could translate it from the context of our conversation. He had requested confirmations of some of his translations. All of them were correct.

I agreed to send him the list, but found that about 450 groups was the absolute minimum number of groups I could compile, if I were to do justice to the effort. This abridgement is a direct result of his request.

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The Bruckner edition contains about 6,000 groups. This list contains about 1,190 groups, about 730 translated, about 460 untranslated.

The only way in which this useful short hand can be kept viable is through its use in CW QSOs between radio amateurs. It is not suitable for international use for the obvious reason that it is based on the English language. The large press associations no longer use Morse telegraph operators, so, we hams are the only ones who can keep it alive.

It is fun. Try it. You will like it!

The Bruckner revision instructions were not too well worded, so I have changed the wording, but not the sense of his instructions, and am quoting some of them below. They are not applicable to radio amateurs, but may provide some insight into the origin of, and the original use of Phillips code.

1. To send code at top speed defeats its purpose. Indeed, mechanical ability seems a negligible factor in moving the report, for the moderately slow sender, of even temper and precise signals puts no strain on the receiver and, therefore provokes no breaking.
2. Code should be well spaced, so that the receiver is required to make no effort in its translation. Where the receiver is forced to solve a puzzle in the way of improper or badly used code, the context of the story is lost and a break usually follows.
9. When the receiver breaks

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WA - Way (Originally "with a")
 WB - Will be WNB -not be
 WC - Welcome WCD WCG
 WD - Would WDB -be
 WDA - Wednesday
 WDF - Wonderful WDFY -ly
 WEA - Weather
 WF - Wife
 WG - Wrong WGD WGG WGF -ful WGY - Wrongly
 WH - Which
 WI - Will WIG -ing WB - Will be WNB -not be
 WK - Week WKY
 WL - Well
 WN - When
 WNV - Whenever
 WO - Who
 WOT - Without
 WR - Were
 WRD - Word WRDD WRDG
 WRI - Write WRG -ing WRN -ten
 WRK - Work WRKD WRKG WRX - Works
 WSN - Western
 WT - What
 WTR - Whether
 WTV - Whatever
 WX - Wait WXD WXG WXR - Waiter
 WY - Why
 XC - Excite XCD XCG XCM -ment
 XD - Exceed XDD XDG XDY -ingly
 XH - Exhaust XHD XHG XHN -ion XHV -ive
 XJ - Explain XJD XJG XJN -anation XJY -atory
 XL - Excel XLC XLCY XLD XLG XLT XLY -ently
 XTD - Extend XTDD XTG XTN XTV -ive XTY -sively
 Y - Year YS -s
 YA - Yesterday YAM -mng YAP -afn YAV -evg
 YO - Years old

AB - About
 ABH - Abolish ABHD ABHG ABHN - Abolition
 ABN - Abandon ABND ABNG ABNM -ment
 ABQ - Absolute ABQY -ly
 ABV - Above
 ACD - Accord ACG -ing ACGY -ingly
 ACP - Accept ACPD ACPG ACB -able
 ACV - Active ACVS -ities ACVLY -ly ACVTY -ity
 ADC - Advice
 ADG - Advantage ADGS ADGX - Advantageous
 ADS - Address ADSD AD SG ADSS
 ADZ - Advise ADZD ADZG ADZS
 AF - After AFW -ward
 AFD - Afford AFG -ing
 AFN - Afternoon
 AGN - Again
 AJ - Adjust AJD AJG AJM -ment
 AK - Acknowledge AKD AKG AKM -ment
 AMA - America AMN AMNS
 AMB - Ambition AMBS AMX -tious AMXY -iously
 AMPF - Amplify AMPD AMPG AMPN - Amplification
 AMU - Amuse AMUD AMUG AMUM
 AMZ - Amaze AMZD AMZG AMZM
 ANC - Announce ANCD ANCG ANCM ANCS
 ANR - Another
 ANT - Anticipate ANTD ANTG ANTN -ion
 ANX - Anxious ANXTY -iety ANXY -ly
 APC - Appreciate APCD APCG APCN -ion APCV -ive
 APL - Appeal APLD APLG APLS
 APP - Appoint APPD APPG APM -ment APMS
 APR - Appear APRC -ance APRD APRG
 APV - Approve APVD APVG APVL -al
 APX - Approximate APXD APXG APXN APXS APXY
 AR - Answer ARD ARG ARS
 ARA - Arrange ARAD ARAG ARAM -ment
 ART - All right

ARV - Arrive ARVD ARVG ARVL
 ASA - As soon as ASAP - As soon as possible
 ATN - Attention ATNS ATV -ive ATVY -ively
 AUZ - Authority AUYS
 AUZ - Authorize AUZD AUZG AUZN -ation AUZS
 AVL - Avail AVB -able AVBTY AVL D AVLG AVLS
 AX - Ask AXD AXG
 AY - Any AYB -body AYG -thing AYM -more
 AY4 -where AYO -one AYW -way
 B - Be BG -ing
 BDA - Birthday
 BF - Before BFH -hand
 BFL - Beautiful BFY
 BH - Both
 BN - Been
 BTN - Between
 BTR - Better
 BUN - Bulletin
 BV - Believe BVD BVG BVS
 EZ - Business
 C - See
 CD - Could CDB -be
 CFM - Confirm CFMD CFMG CFMS CFN -ation
 CFU - Confuse CFUD CFUG CFUS CFUN -ion
 CHN - Children
 CKT - Circuit
 CLJ - College
 CLR - Clear CLRC -ance CLRD CLRG CLY -ly
 CM - Come CMG
 CNG - Change CNGD CNGG CNGS
 CNL - Control CNLD CNLG CNLB -able CNLS
 CQ - Correct CQD CQG CQN CQS
 CR - Care CRF -ful CRG CRS
 CT - Connect CTD CTG CTN -ion
 CTF - Certificate CTFN -ion
 CU - Current CUS CUY -ly C U - See you

TNI - Tonight
 TNK - Think
 TNV - Tentative TENVY -ly
 TP - Transport TPD TPG TPN -ation
 TPH - Telephone TPHD TPHG
 TPY - Temporary
 TR - There
 TRE - Three
 TRM - Terminate TRMD TRMG TRML -al TRMN -ion
 TS - This TSM-morning TSP-afternoon TSV-evening
 TT - That
 TTT - That the
 TUF - Tough
 TUY - Tuesday
 TW - Tomorrow TWM-mng TWP-afn TWV-evening
 TWY - Twenty
 TX - This is TXN -not TXT -the
 TY - They
 U - You UC -see
 UF - Unfortunate UFY -ly
 UK - Understand UKD -stood UKG-ing UKY-ably
 UKN - Unknown
 UN - Until
 UNU - Unusual UNUY
 UR - Your U R - You are
 USFY - Unsatisfactory
 UVY - University
 VB - Variable VBY -ly
 VF - Verify VFD VFG VFN -cation
 VKN - Vacation
 VSB - Visible VSBY -ly VSBTY -bility
 VST - Visit VSD VSG VSR
 VU - View VUD VUG VUS
 VY - Very
 VYJ - Voyage
 W - With WIN - Within WW - With which

SNC - Since
 SOU - South SOUN -ern
 SP - Ship SPD SPG SPM -ment
 SPFY - Specify SPFC -ific SPFD SPFG SPFN-cation
 SPL - Special
 SPO - Suppose SPOD SPOG SPON -ition
 SPZ - Surprise SPZD SPZG SPZY -ingly
 SRX - Serious SRXY
 STA - State STAD STAG STM -ment
 STC - Sentence STCD STCG
 SU - Sure
 SUG - Suggest SUGD SUGG SUGN SUGS
 SUY - Saturday
 SV - Seven
 SVC - Service
 SVL - Several
 T - The
 TBL - Trouble TBLD TBLG TBLS
 TFC - Terrific
 TFK - Traffic
 TFR - Transfer TFRD TFRG
 TG - Thing TGS -s
 TGH - Telegraph TGM -gram TGY - Telegraphy
 TGR - Together
 THD - Thursday
 THO - Though
 TRU - Through
 THR - Their
 TK - Take TKG TKN TKR
 TKT - Ticket
 TM - Them
 TMP - Temperature
 TMT - Transmit TMD TMG TMN - Transmission
 TMX - Tremendous
 TN - Then
 TND - Thousand

CV - Cover
 CZN - Citizen CZNSP -ship
 DA - Day DAS
 DAU - Daughter
 DCR - December
 DF - Differ DFC -ence DFD DFG
 DG - Doing
 DL - Deliver DLD DLG DLY
 DMJ - Damage DMJD DMJG
 DP - Depart DPD DPG DPM -ment
 DT - Do not
 DUB - Double DUBD DUBG
 DUP - Duplicate DUPD DUPG DUPN -tion DUPS
 DUR - During
 DV - Divide DVD DVG DVS
 DVP - Develope DVPD DVPG DVPM -ment
 DW - Draw DWG DWN DWS
 DX - Dash
 DXN - Destruction DXV -ive
 EA - Each
 ECJ - Encourage ECJD ECJG ECJM -ment
 EDU - Educate EDUD EDUG EDN -ion
 EF - Effect EFD EFG EFV -ive EFVY -ively
 EFO - Effort EFOS
 EH - Either
 EJO - Enjoy EJOD EJOM -ment
 EMJY - Emergency
 ENH - Enough
 EQP - Equip EQM -ment
 ER - Error ERS ERX - Erroneous ERXY
 ES - And
 ESB - Establish ESD ESBG ESBS ESM -ment
 ETM - Estimate ETD ETG ETN -tion
 EV - Ever
 EVG - Evening
 EXA - Extra

EXK - Expect EXD EXKG EXKN-ation
 EY - Every EYB-body EYG-thing EY4 EYO-one
 FHR - Further FHM -more
 FM - From
 FN - Fifteen
 FND - Friend FNDSP -ship
 FNT - Front
 FQ - Frequent FQD FQG FQS FQY
 FR - Four FRV - Forever
 FS - First
 FT - For the
 FU - Few
 FV - Five
 FW - Follow FG-ing FWD
 FYI - For your information
 GD - Good GDN-ness GDS
 GFY - Gratify GFD GFG GFN -cation
 GG - Going
 GM - Gentleman GMN-men GMS-man's
 GN - Gone
 GNI - Good night
 GNX - Generous
 GP - Group GPD GPG GPS
 GT - Great
 GTG - Getting
 GV - Give GVG GVN
 GVT - Government
 GX - Great excitement
 H - Has HB-been HN-not HNB-not been
 HI - High HIR
 HND - Hundred
 HO - Hold HOG-ing HOR-er HOS-s
 HPN - Happen HPND HPNG HPNS
 HR - Here HRF -tofore
 HRD - Heard
 HSB - Husband

RKZ - Recognize RKZD RKZG RKN -tion
 RLF - Relief RLVD - Relieved
 RLS - Release RLSD RLSG
 RMB - Remember RMC - Remembrance RMBD RMBG
 RMK - Remark RMKD RMKG RMX - Remarks RML -able
 RN - Reason RND RNG RNL-able RNY-ably
 RP - Report RPD RPG RPR RPS
 RPT - Represent RPTD RPTG RPTN-ation RPTS
 RPV - Representative RPVS
 RQR - Require RQD RQG RQM -ment RQS
 RSU - Resume RSUD RSUG RSUN -ption
 RSV - Reserve RSVD RSVG RSVN -ation
 RT - Are the
 RTN - Return RTD RTG
 RU - Are you
 RV - Remove RVD RVG RVL -al
 RVR - River
 RVU - Review RVUD RVUG RVUL -al
 RX - Recommend RXD RXG RXN -ation RXS
 RZ - Result RZD RZG RZT -ant
 SCL - School
 SD - Should SDB -be SDNB -not be
 SDY - Sunday
 SED - Said
 SES - Says
 SF - Satisfy SFD SFG SFN -faction SFY -actory
 SH - Such
 SIG or SG - Signature
 SIU - Situate SIUD SIUG SIUN -ion
 SJ - Subject SJD SJG SJN -ion
 SK - Success SKL -ful SKR SKV-ive SKY -fully
 SKJ - Schedule SKJD SKJG
 SM - Some SMB-body SMG-thing SMH-how
 SM4-where SMT-time SMW-what
 SMP - Sympathy SMC -etic SMZ -ize
 SN - Soon SNR -er

PJT - Project PJTD PJTG PJTN -ion
 PKJ - Package PKJD PKJG
 PKU - Peculiar PKULY -ly PKUY -ity
 PLS - Please PLSD PLSG PLSR -ure
 PMT - Permit PMTD PMTG
 PNC - Pronounce PNCD PNCG PNCN-Pronunciation
 POG - Postage
 PON - Position
 POS - Possible POSY -ibly POY - ibility
 POX - Police POXM -man POXN -men
 PP - Postpone PPD PPG PPM -ment
 PPR - Prepare PPRD PPRG PPRN-ation PPRY-atory
 PSK - Prospect PSKD PSKG PSKV -ive PSKS
 PSN - Person PSNL -el or -al
 PT-Present PTC-ence PTD PTG PTM-ment PTN-ation
 PU - Public PUCY -ity
 PUH - Publish PUD PUG PUHR PUN -ication
 PVX - Previous PVXY
 PW - Power PWF -ful PWS PWY -fully
 PX - Price PXD PXG PXS
 QA - Qualify QAD QAG QAN -ication
 QK - Quick QKY
 QR - Quarter QRD QRG QRS QRY -ly
 QSN - Question QSD QSG
 R - Are
 RAF - Ratify RAFD RAFG RAFN -cation RAFS
 RC - Receive RCD RCG RCR RCS RCN-Reception
 RDO - Radio
 RDX - Ridiculous RDX -ly
 REQ - Request REQD REQG REQS
 RF - Refer RFC -ence RFD RFG RFL -al
 RFU - Refuse RFUD RFUG RFUL -al
 RG - Regular RGS RGY -ly
 RHT - Right RHTS RHTY -ly
 RK - Recover RKD RKG RKY
 RKO - Record RKOD RKO

HSP - Hospital
 HU - House
 HV - Have HVB -been HVNB -not been HVU -you
 HW - How HVR -ever
 ICU - Include ICUD ICUG ICUN -sion ICUS
 ICW - In connection with
 IFM - Inform IFMD IFMG IFN -ation
 IJ - Injury IJD IJG IJS IJX -ous IJY -ously
 IM - Immediately IMT - Immediate
 INT - Interest INTD INTG -ing
 INX - Instruct INXD INXG -ing INXN -ion INXS
 IP - Improve IPD IPG IPM -ment
 IUG - Inaugurate IUGD IUGG IUN -ion
 IUP - Interrupt IUPD IUPG IUPN -ion
 IVG - Investigate IVD IVGG IVN -ion
 IW - It was IWB-believed IWC-claimed IWF-
 feared IWH-held IWJ-alleged IWN-not IWR-
 reported IWU-understood IWX-expected
 IX - It is-----Same added words plus 3 more:
 IXP-possible IXS-said IXT-the
 JF - Justify JFD JFG JFL-able JFN-cation JFS
 JG - Judge JGD JGG JGS JGM -ment
 JN - Join JND JNG JNS
 KB - Contribute KBD KBG KBN-ion KBS
 KD - Kind KDN-ness KDY-ly
 KF - Confer KFC-ence KFD KFE-ee KFG
 KGU - Congratulate KGD KGG KGN -ion KGNS
 KM - Communicate KMD KMG KMN-ion KMNS
 KN - Known
 KNS - Converse KNSD KNSG KNV-sation KNT-ant
 KP - Keep
 KST - Christ KSTN-ian KSTM-mas
 KU - Continue KUC-ance KUD KUG KUL KUN KUS KUY
 KVT - Convert KVB KVD KVG KVN-sion KVS KVV-ibly
 KW - Know KWG KWS
 LG - Long

LK - Like LKD LKG LKS LKY
 LO - Low LOR
 LRN - Learn LRND LRNG
 LTR - Letter
 LUK - Look LUKD LUKG LUKS
 LV - Leave LVG LVS
 M - More
 MAB - Maybe
 MD - Made
 MDA - Monday
 MDT - Moderate MDN -ion MDY -ly
 MEM - Member MEMSP-ship
 MF - Manufacture MFD MFG MFR MFS MFY
 MG - Manage MGD MGG MGM MGR MGS
 MH - Much
 MIN - Minute MINS
 MK - Make MKG MKR MKS
 MKT - Market MKTD MKTG
 MMY - Memory MMZ -ize
 MO - Month MOS MOY-ly
 MRD - Married MRJ-iage
 MS - Most MSY
 MSD - Missed MSG
 MSJ - Message MSJR
 MSK - Mistake MSKN
 MSR - Measure MSRD MSRG MSRM -ment
 MT - Meet MTG MTS
 MTR - Matter MOF -of fact
 MV - Move MVD MVG MVL -able MVR MVS
 MYN - Million
 N - Not
 NBR - Neighbor NEH -hood
 ND - Need NDF -ful NDG NDY -y
 NEC - Necessary NCT -itate NECY-ily NCY-ity
 NF - Notify NFD NFG NFN -cation
 NI - Night NIY -ly

NL - Natural NLY NLZ -ize NLZN -ization
 NR - Near NRD NRG NRY -ly
 NTG - Nothing
 NU - New NUS - News
 NUM - Number NUMD NUMG NUMS
 NUP - Newspaper
 NV - Never NVL - Nevertheless
 NVX - Nervous
 NW - Now
 NWG - Notwithstanding
 NX - Next NXK -week
 OB - Obtain OBD OBG OBS
 OC - O'clock
 OD - Order ODD ODG ODS ODY -ly
 OFL - Official OFLY
 OFN - Often
 OFR - Offer OFD OFG
 OG - Organize OGD OGG OGN -ation OGS
 OJ - Object OJD OJG OJN-ion OJL-able OJV-ive
 ONR - Owner ONRS
 OPD - Opened OPG
 OPR - Operator OPRD OPRG OPRN - Operation
 OS - Oppose OSD OSG OSN -ition OSS
 OTR - Other
 OWZ - Otherwise
 PAP - Paper
 PB - Probable PBY PBTY -ility
 PBM - Problem
 PCD - Proceed PCDR -ure PCDG
 PCP - Participate PCPD PCPG PCPN -ion
 PD - Paid
 PEO - People
 PF - Prefer PFC-ence PFD PFG PFL-able PFLY-ably
 PFT - Perfect PFTD PFTG PFY -ly
 PGM - Program PGMD PGMG
 PHA - Philadelphia