# THE DXER'S GUIDE TO CHINA

by Bruce Portzer

The People's Republic of China represents many things. The world's largest population. One of the world's oldest civilizations. A popular (albeit expensive) destination for tourists. The source of a popular dining cuisine. A choice target for many broadcast band DXers. And more.

China occupies an area about the size of Canada. It has very diverse geographical features. Southeastern China is much like the southeastern U.S. Southwestern China includes the Himalaya Mountains, the highest in the world. Central China is semiarid grassland, while northeastern China is similar to the prarie states and provinces of the U.S. and Canada. The vast bulk of China's population lives in eastern China in the Yellow, Yangtse, and Hsi River valleys.

The vast majority (94%) of China's population are Chinese. The rest include Mongolians, Koreans, Tibetans, Uighurs, and others. Although they represent only six percent of China's population, these minorities are politically important because they live near China's frontiers and have cultural ties with residents of neighboring countries.

Of the Chinese speaking citizens, about two thirds speak the language spoken in the Beijing area, known to us as Mandarin. The rest speak any of a dozen other Chinese languages, such as Cantonese and Amoy. The Chinese languages share the same written characters and grammar, but sound quite different fromeach other and are mutually unintelligible. Mandarin, also known as Standard Chinese, is the official language in China. You've probably heard it before. If not, listen to some of the shortwave frequencies listed elsewhere in this article or to Voice of America Chinese broadcasts listed in the World Radio TV Handbook.

Several methods have been developed for spelling out Chinese words in Roman letters (i.e. the kind we use). Most references more than a few years old use the Wade-Giles method. However, in recent years a more accurate method of transliteration has been adopted by the Chinese government. It is known as Pinyin. A pronunciation guide for Pinyin, with equivalent Wade-Giles lettering, appears in Table 1.

China is divided into three autonomous cities, 21 provinces, and five autonomous regions. Figure 1 shows the locations of these political subdivisions and lists some of the major cities in each province. Also shown (in parentheses) are the Wade-Giles equivalents of current spellings. If you want to know the locations of other cities, try to find a copy of Gazetteer of the People's Republic of China, published by the U.S. Department of Defense, Defense Mapping Agency, in July 1979. It includes Wade-Giles to Pinyin conversion and vice versa, in addition to listing the latitude and longitude of what seems to be nearly every city, town, and physical feature in China. I found a copy in the Seattle Public Library, maybe you can find one in your library.

Most or all of China is on GNT\*8. Several references state that this time is used throughout China. However, the WRTH indicates Sichuan is on GMT+7 and Xizang (Tibet) is on GMT+6. Since most of us don't understand Chinese time checks, this discrepancy is probably academic.

In case anybody is interested, China's official holidays include January 1 (New Year's Day), May 1 (Labor Day), and October 1 and 2 (National Days).

#### HISTORY AND STRUCTURE OF CHINESE BROADCASTING

The first radio station in China was built in 1928 in Nanking. It supposedly had a power of 500 kilowatts (which I find hard to believe) and was used mostly for newscasts. During the next decade, many other private and government stations came on the air. Some bit the dust during World War II. However, by the late 1940's there were over eighty stations in operation throughout China. After the Communists took over in 1949, these stations were reorganized into a single network known as the Central People's Broadcasting Station, with its headquarters at Peking.

Broadcasting in China has grown considerably during the past three decades. Today, there are several types of stations and program services in the People's Republic of China. They include the following.

• The <u>Central People's Broadcasting Station</u>. A national service originating in Beijing. Two different programs are fed throughout the country via medium wave and shortwave transmitters. There's probably some difference in the programming they offer, but to my ears the material sounds the same.

## Table 1 How to Pronounce Chinese Letters

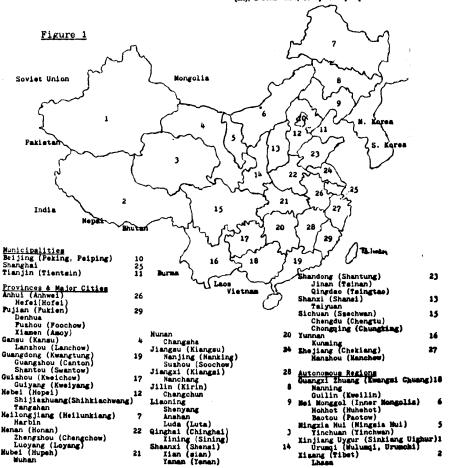
Following is a table of the Chinese phonetic alphabet showing pronunciation with approximate English equivalents. Letters in the Wade-Giles system are in brackets.

- "a" (a), a vowel, as, in far;
- "b" (p), a consonant, as in be;
- "e" (ts), a consonant, as "ts" in its; and
- "ch" (ch), a consonant, as "ch" in church, strongly aspirated;
  - "d" (t), a consonant, as in do;
- "e" (e), a vowel, as "er" in her, the "r" being silent; but "ie;" a diphthong, as in yes and "ei," a diphthong, as in way;
  - "f" (f), a consonant, as in foot;
  - "g" (k), a consonant, as in go;
  - "h" (h), a consonant, as in her, strongly aspirated;
  - "i" (i), a vowel, two pronunciations:
  - 1) as in eat
- 2) as in sir in syllables beginning with the consonants c, ch, r, s, sh, z and zh;
- "j" (ch), a consonant, as in jeep;
- "k" (k), a consonant, as in kind, strongly aspirated;

"I" (i), a consonant, as in land;

- "m" (m), a consonant, as in me;
- "m" (n), a consonant, as in no;
- "e" (o), a vowel, as "aw" in law;
  "e" (p), a consonant, as in par, strongly aspirated;
- "e" (ch), a consonant, as "ch" in cheek;
- "r" (j), a consonant pronounced as "r" but not rolled, or like "z" in azure;
- "s" (s, ss, sz), a consonant, as in sister; and "sh" (sh), a consonant, as "sh" in shore;
  - "t" (t), a consonant, as in top, strongly aspirated;
- "a" (u), a vowel, as in too, also as in the French
  "u" in "tu" or the German umlauted "u" in
  "Muenchen;"
- "v" (v), is used only to produce foreign and national minority words, and local dialects;
- "w" (w), used as a semi-vowel in syllables beginning with "u" when not preceded by consonants, pronounced as in want;
  - "x" (hs), a consonant, as "sh" in she;
- "y," used as a semi-vowel in syllables beginning with "i" or "u" when not preceded by consonants, pronounced as in yet;

"z" (ts, tz), a consonant, as in zero; and "sh" (ch), a consonant, as "j" in "jump."



• The <u>Pujian Front Station</u>. Operated by the People's Liberation Army, this station broadcasts over a multitude of medium and short wave transmitters in Fujian province. Two networks of stations beam programs to Taiwan.

• Provincial stations. Each rrovince and Autonomous Region has a station in its capital or principal city. These stations carry programs over a network of medium and short wave transmitters throughout the Province or A.R. In many cases, two different programs are broadcast simultaneously over two networks. These stations may, at times, relay CPBS broadcasts.

• Local Stations. Most large cities have their own locally produced program services. It's quite likely that some of them relay Central or Provincial stations during much of the day, breaking away for their own programs for only a few hours (similar to some of the "twin" stations in Canada). In the largest cities, however, more than one local program service may be available. Shanghai, for example, has four stations broadcasting locally produced programs.

• Service to Taiwan. This service is self-explanatory. These programs originate at the CPBS studios in Beijing and are broadcast on a relatively large number of medium and short wave frequencies. Most of the medium wave transmitters are probably in Fujian, due to its proximity to Taiwan.

• Minority Programs. These programs are aimed at those politically important Winority groups I told you about earlier. The languages used include Kazakh, Korean, Mongolian, Tibetan, and Uighur. The programs are broadcast mainly on shortwave, but a few are relayed on medium wave by Local or Provincial stations.

• Radio Peking. Or is it Radio Beijing? This is the CPBS External Service. Radio Peking broadcasts several hundred hours per week in about forty languages. The vast majority of these programs are on shortwave, but a few are also on medium wave.

In addition to the above services, a couple of unusual services are available in China. One is a rediffusion network. These facilities consist of speakers and amplifiers located in homes, factories, communes, and public buildings. Several such speakers are wired together and connected to a radio tuned to one of the official stations. The main reason for this service is economics --- in the past, at least, it was easier and cheaper to build millions of speakers than to build millions of radios.

Another unusual service offered in China is radio broadcasting aboard trains. The trains in China have small studios which distribute radio programs to the passenger compartments. A photograph of one such studio appears

In the March, 1980, National Geographic.

Broadcasting in China is under the supervision of the Broadcasting Administration Bureau. This bureau oversees the programming and operation of China's vast radio and TV network. In turn, it is accountable to the Central Committee of the Communist Party. In addition, local and provincial stations are supervised by bureaus and agencies at their respective levels of government, with all performance subject to scrutiny and regulation from above. And you thought our system of broadcasting was overregulated!

According to the U.S. State Department, there were 713 medium wave and 307 shortwave transmitters in China in 1970. Those numbers have probably increased since then. The list at the end of this article accounts for about 350 of them. The rest are probably parallels (i.e. many CPBS outlets on the same frequency), plus whatever local and provincial outlets I've missed.

#### RADIO PROGRAMMING IN CHINA

Chinese radio stations carry a wide variety of radio programs. First of all, there are news and commentary features. There are also discussion programs. Few of us understand a word of what they're saying, but the discussions cover science and technology, literature and culture, agriculture, and whatever else they can come up with. Music makes up a large percentage of the program content and can include Chinese and Western orchestral music, Western pop music, Chinese folk music, classical music (such as Beethoven), choral music (generally a capella), and opera. During his visit to China last year, Pete Taylor noted stuff sounding like Hawaiian steel guitars and like Indian music. Much Chinese music sounds harsh and shrill to our ears; a few years ago, one DX Worldwide reporter described one vocal as sounding "like a wounded cat".

Also carried on Chinese radio are sports broadcasts and dramas. Language lessons have become quite common in recent years, as China seeks stronger ties with the rest of the world. In Shanghai and Beijing there are stations broadcasting nothing but English, Japanese, and French lessons. The CPBS and some Provincial and Local stations have a few hours of lessons each week. Finally, there is possibly a "National" program of sorts aired 1200-1230 daily over most Chinese stations.

China has been heard in North America during almost every month of the year. However, reception of all but the most powerful Chinese stations usually only occurs between mid-September and mid-December. Several Chinese stations can be heard regularly in western North America during this period.

Leading the pack is the Foreign Service outlet on 1044 kHz in Jiangsu, near Shanghai. This station has several things going for it; southerly location, high power, and a directional antenna aimed in our direction. It is used mainly for broadcasts to Japan, although it carries some CPBS programs as well. It is often audible, even when Asian reception in general is poor. Another frequently heard station is the Yanbian PBS in Yanji on 1206. Its Korean broadcasts often put in a good signal during the wee hours. Several CPBS outlets were heard regularly last season, including those on 756, 1251, and 1035 kHz.

Before November, 1978, China was also feasible on the east coast. The Russian Foreign Service transmitter on 1525 in Urumqi often put in a block-buster signal around sunset in the northeastern U.S. however, the station has since moved to 1521 kHz, where it must contend with a high powered Saudi station, plus domestic stations on 1520. Still, with a Beverage antenna pointed due north, someone in the east might luck out and hear it.

As a general rule, Chinese stations, when in, will fade in about an hour after Japanese stations. During the peak reception periods, this would be around 2 a.m. PST. Depending on conditions, they may be in well all morning until your local sunrise. Or they may peak at 3 or 4 o'clock and then fade out. Or they may come in poorly until just before sunrise, then make a sharp peak in strength, and then fade out. Or they may not come in at all, even when Japan in coming in well. If that sounds discouraging, remember that changes in conditions from day to day are what makes this hobby challenging and fun...

Table 2 lists the sunset times for five major Chinese cities for September through March (reception during April through August is too rare to worry about). Sunset times are a rough indicator of when a station might fade in. It's possible for a station to fade in as much as 45 minutes before their sunset, due to darkness reaching the ionospheric control point on the signal path before it reaches the station. On the other hand, a station may not fade in until well past

| Table 2.           | Sunset | t time       | s (UT | C) for | c Chi | nese (       | ities |
|--------------------|--------|--------------|-------|--------|-------|--------------|-------|
|                    |        |              | 3/1   |        |       |              |       |
| Beijing<br>Chengdu |        | 0929<br>1038 |       |        |       | 0909<br>1016 |       |
| Harbin             | 0756   | 0836         | 0917  | 1011   | 0913  | 0819         | 0748  |
| Shanghai<br>Urumqi |        | 0929<br>1117 |       |        |       | 0907<br>1059 |       |

its local sunset, depending on the state of the lonosphere at the time. Table 3 shows the loop bearings and distances from

bearings and distances from three western cities (Seattle, Los Angeles, Denver) and one eastern city (Atlanta) to five Chinese

cities. It should give you some idea of where to point your loop or Beverage antenna for optimum reception.

Table 3. Distances and loop bearings to Chinese Cities (in miles & degrees)

|   | Bei jing                                     | Chengau              | Haroin   | Snangnal                                     | n Lramad I                                 |
|---|--|----------------------|----------|--|--|
| Seattle<br>Los Angeles<br>Denver<br>Atlanta | 5232 317<br>6242 321<br>6233 330<br>7139 343 | 7177 324<br>7200 335 | 5701 327 | 5709 309<br>6526 313<br>6723 321<br>7639 337 | 5820 338<br>6803 341<br>6587 351<br>7028 5 |

### IDENTIFYING CHINESE STATIONS

Suppose Oriental stations are coming in well some morning. How do you know which ones are Chinese? There are several ways you can tell. The following are the most effective methods.

- \*\*Time pips. Most Far East stations broadcast a time signal at the top of the hour. As a general rule, Chinese stations have a time signal consisting of five tones, each one second long followed by a one second pause, followed by a sixth tone an octave higher than the rest, i.e. \_\_\_\_\_\_\_. This time signal is not used universally, so not hearing it doesn't mean you didn't hear China. But it is unique to China and used by DXers to pinpoint the country of origin.
- Anthems. "The East is Red" and "Internationale" are played at various times on most Chinese stations. If you haven't heard them before, tune in

• Station identification. It's easier than you think to pick out IDs from Chinese stations. Generally they occur just after an anthem or time signal. Broadcasts originating from Peking ID as "Zhongyang renmin guangbo diantai", which is pronounced just like it's spelled and means "Central People's Broadcasting Station". Broadcasts originating from provincial or local stations ID with the name of the city, province, or other government entity substituted for the word "Zhongyang", such as "Shanghai renmin guangbo diantai". If you work at it, you may be able identify more than one Chinese station on a particular frequency. However, it can at times be tough to discern between similar sounding names: Hunan, Henan, Hainan, and Yunnan, for example. Or even worse, Shanxi and Shaanxi!

• Parallel programming. If you have two receivers, it's a simple matter to tune one to a station you know the identity of and confirm the identity of an unknown station. This way, you don't have to sit around all morning waiting for pips, anthems, and IDs.

Note that identifying the language used by a station is not sufficient to confirm its identity. Two of the most frequently heard Chinese stations do not broadcast in Chinese during most of their evening hours. And some neighboring countries, such as the Soviet Union, broadcast programs in Chinese on medium wave.

#### OBTAINING VERIFICATIONS

Up until a year or two ago, China rarely sent out verifications for medium wave reception. This policy has since changed. China now readily verifies reception reports for medium and short wave domestic broadcasts. They even mention the name of the station, the date of reception, and the frequency (although they still seem to be "correcting" the frequency in the report to the old 10 kHz spacing frequency. My report for 1035 kHz was verified as 1030 kc/s and Bill Harms' report for 1206 was verified as 1210). Still, it's good to get something back for one's efforts.

Reception reports should be sent to Central People's Broadcasting Station, Outside of Fu Hsin Men, Beijing, People's Republic of China. Return postage is not needed. You'll get a nice QSL card and maybe a "soft sell" magazine, a calendar, or some other token item. Reception reports for provincial and other stations can probably be sent care of the above address. Or you might try sending your report to XXXXX People's Broadcasting Station, City, Province, People's Republic of China, just to see what happens. Hopefully, someone at the station will know how to read English.

#### MEDIUM WAVE STATIONS IN CHINA

To conclude this article, the next few pages list all the Chinese BCB outlets I could find information on. Sources for this list include Pete Taylor (including is "DXing in Asia" article in the 2/9/80 DXM and some other unpublished information), back issues of IRCA, NRC, NZDXRL, SPEEDX, & NASWA bulletins, and the 1980 World Radio TV Handbook. The following comments apply

Preq."\*" means a Chinese station has been hid on that frequency in N. America

"a" means the station may vary a few kilohertz off frequency City: "near" means a station is audible during the day in that city. It's likely within a 150 mile radius of that location.

Pgm: Cl:Central People's Broadcasting Station (CPBS), 1st Pgm; C2:CPBS,2nd Pgm; F1: Fujian Front Station (FFS), 1st pgm; F2: FFS, 2nd Pgm; FS: Foreign Service; HP: Hainan PBS; L: Local PBS; L1,L2: Local PBS, 1st pgm, 2nd Pgm, etc; MS: CPBS Minority Service; P: Provincial (or AR) PBS; P1, P2: Provincial PBS, 1st & 2nd Pgms; TS: Taiwan Service; YP: Yanbian PBS; ZP: Zhoushan (Island) PBS

Schedule: Times are UTC; I & E means "Internationale" & "East is Red", respectively, are played at that s/on or s/off; N: No anthem is played at that s/on or s/off; NA: station plays neither anthem; LL: station

carries EE, JJ, and/or FF language lessons.

Parallels: (1) all C1 stations on the list, plus 5860 5880 6665 6750 7095 7504

9064 9080 11302 11330; (2) 603 630 678 720 747 855 882 897 899 1251 4250

5075 5163 6345 7190 7770 8320 9020 9775 10260 11040 11505 12200 15030;
(3) 594 693 750 792 909 927 1035 1089 1116 1224 1431 1512 2360 3360 3820

4770 9170 11000 11100; (4) 666 846 1016 1266 2340 3640 4045 4530 5040

5240 5265 5900 6765 7504 7850; (5) 819 954 1008 1377 1539 3200 3300 3400

4380 4840 5170 5770 5900 7025 8195; (6) 720 918 1044 3960 4960 7480 11515

(7) 531 576 213 846 864 963 985 1134 1323 1404 1431 1476 2475 4785 6000

6620; (8) 612 963 1089 1260 3930 4830; (9) 738 1107 1485 1530 2960 3310

|             |                      |                   |          |                        |                                  | 3                                |
|-------------|----------------------|-------------------|----------|------------------------|----------------------------------|----------------------------------|
| Freq        | Province             | City              | Pgm      | <u>Schedule</u>        |                                  | Parallels                        |
| 531         | Zhejiang             | Hangshou          | P1       |                        | 0845-1500                        | (?)<br>(1)                       |
| 540         | Unknown              | Shanghai          | C1<br>C1 | 2000-1735<br>2000-1735 |                                  | (i)                              |
| 7.0         | Various              |                   | C1       | 2000-1735              |                                  | (1)                              |
| 549         | Jiangsu              | Zhangzhou         | C17      | 2000 1827              |                                  | /4.\                             |
| 558         | Unknown<br>Fujian    |                   | C1<br>P1 | 2000-1735              | 0750-1600                        | (1)<br>783 1071 2340 5040        |
| ٥رر         | Jiangsu              | Jianyang          | ••       | 20,0-0,50              | 0,70 2000                        | 103 2012 2310 3010               |
| 560         | Unknown              | near Hangshou     |          | 2000-1735              |                                  | (1)                              |
| 567         | Heibei               | various           | C1<br>P1 | 2000-1735              | 0920-1605N                       | (1)<br>990 2460 4760             |
| 576         | Yunnan<br>Zhejiang   | Quibei            | P1       |                        | 0845-1500                        | (7)                              |
| 585         | Unknown              | near Beijing      | Ci       | 2000-1735              |                                  | (1)                              |
| 593         | Unknown              | nr Hong Kong      | m.c      | 2000 0(10)             | (00005) 083                      | 1000 (2)                         |
| 594*        | Fujian<br>Guangdong? | Wencheng          | TS<br>C1 | 2000-0610              | (0700Su) 083(<br>-1735           | )-1900 (3)<br>619 902 1201 1341  |
|             | Shandong             | Jinan             | P        | -1510                  | -175                             | 918 1485 1548 2350               |
|             | Xizang               | Lhasa             | P        |                        | 1000-1545                        | 4750 5935 7170                   |
| 603         | Tipopina             | Beijing?          | C2<br>P  | 2200-1600              | 0740-1500                        | (2)<br>(8)                       |
| 612         | Liaoning<br>Fujian   |                   | P1       |                        | 0750-1600                        | 558 783 2340 5040                |
| 619         | Guangdong?           |                   | C1       | -0600                  |                                  | 594 902 1201 1341                |
| 621         | Heilongjiang         | Harbin            | P        | 2040-0630              |                                  | 900 3340 5950 4840               |
|             | Unknown              |                   | FS       | RR: 1500-              | (KK 0300-0400<br>1800            | 1521 7140 9725                   |
|             | Unknown(s)           | near Hangzhou     |          | 2000-1735              | 2000                             | (1)                              |
| 630         | Unknown              | and Shanghai      | C2       | 2200-1600              |                                  | (2)                              |
| 635         | Urumqi               |                   | P1       |                        |                                  |                                  |
| (00         | Unknown              |                   | C1       | 2000-1735              |                                  | (1)                              |
| 639         | Unknown              | Beijing           | C1<br>TS | 2000-1735              | (0700Su) 0830                    | (1)<br>0-1900 (3)                |
| 648         | Guangdong            | Guangzhou         | P1       |                        | 0250-1530                        | sometimes (1)                    |
| 657         | Henan                | Zhengzhou         | P1       | 2120-1400              | 0350-1515                        | 1332                             |
| 660         | Unknown<br>Unknown   |                   | C1<br>C1 | 2000-1735<br>2000-1735 |                                  | (1)<br>(1)                       |
| 666         | Fujian               | Dehua             | F1       |                        | 2100-0500                        | (4)                              |
|             | Qinghai              | Xining            |          |                        | -                                |                                  |
| 675         | Nei Monggol          | Hohhot            | P1       |                        | 0200-0555<br>( <b>1545SaS)NA</b> | 765 1188 3970 4895<br>4068 6840  |
| 424         | Xinjiang             |                   | P2       | 2000 1225              |                                  | 702 685                          |
| 676<br>678  | Unknown<br>Unknown   |                   | C1<br>C2 | 2000-1735<br>2200-1600 |                                  | (1)<br>(2)                       |
|             | Hubei?               | near Beijing      |          |                        |                                  | 1278                             |
|             | Guangdong            | Haikou            |          |                        |                                  |                                  |
| 685         | Zhejiang<br>Xinjiang | Dinghai           | ZP<br>P2 | 2135-0415              |                                  | 675 702                          |
| 693         | Jiangsu              |                   | P1       | 2050-1450              |                                  | 0/5 /02                          |
|             | Shaanxi              | Xian              | P        |                        | I 2120-0820                      | 6176                             |
|             | Sichuan<br>Unknown   |                   | P<br>TS  | 2000-0610              | (0700) 0830-:                    | 1900 (3)                         |
| 702         | Fujian               |                   | 10       | -1658                  |                                  | 936 1476                         |
|             | Jiangsu              | Nanjing           | P        | 2050-1450              | I 2050-2400                      | 1314 1413(some PS?)              |
| 211         | Xinjiang             | Conche            | P2       |                        |                                  | 675 685                          |
| 711<br>720* | Qinghai              | Gonghe<br>Beijing | C2       | 2200-1600              |                                  | (2)                              |
| •           | Unknown              |                   | FS       | JJ:2130-2              | 200 0930-1530                    | 0(6)                             |
| 723         | Unknown              | Tion              | C2?      | -0600                  | 0915-1600                        | 855 1044(sometimes)              |
| 729         | Jiangxi<br>Unknown   | Jian              | P<br>C1  | 2000-1735              | I 0500- EETT                     | (1)                              |
| 735         | Guangdong            | Guangzhou         | C1       | 2000-1735              |                                  | (1)                              |
| 738<br>747  | Jilin                | Changchun         | P        |                        | 0850-1530                        | (9)                              |
| 750         | Unknown<br>Unknown   | near Beijing      | C2<br>TS | 2200-1600<br>2000-0610 | (0700) 0830-:                    | (2)<br>1900 (3)                  |
| 756*        | Unknown              |                   | Ċ1       | 2000-1735              | (-,, 00,0-                       | (1)                              |
| 765         | Nei Monggol          |                   | P1       |                        | 0300-0555                        | 675 1188 3970                    |
| 774         | Hubei                | Wuhan             | P        | 2100-0610              | (1545SaSu)NA<br>0850-1605I       | 4068 4895 6840<br>1179 1404 3940 |
| 783         | Fujian               |                   | P1       | 2050-0530              | 0750-1600                        | 558 882 1071 4975                |
| -           |                      | D 44              | _        |                        |                                  | 2340 5040 7165                   |
|             | Hebei                | Baoding           | ₽        | 2115-2350<br>0840-1535 | 0200-0600                        | 1278                             |
|             |                      |                   |          |                        |                                  |                                  |

| _                                       |                     | <b></b>                    |           | 0.1.4.1.                                   | Davallala                       | Frog               | Province                  | City                          | Pgm      | Schedule                                     | Parallels 4                        |
|---|---------------------|----------------------------|-----------|--|---------------------------------|--------------------|---------------------------|-------------------------------|----------|--|------------------------------------|
| Freq                                    | Province            |                            | gm        | Schedule                                   | <u>Parallels</u>                | Freq               |                           | 0103                          | * F III  | <u>Defie da 20</u>                           |                                    |
| 792                                     | Cuangui             | Shanghai                   | L2<br>P1  | 2100-1600<br>0845-1600E 2100-0530          | 4915 1071 1440                  | 99 <i>9</i><br>999 | Unknown<br>Guangdong      | Guangzhou                     | L        | 2100-1605 EE/JJLL                            | And the second second              |
|   | Guangxi<br>Unknown  | Nanning                    | TS        | 2000-0610(0700Su) 083                      | 0-1900 (3)                      | ///                | Xinjiang                  |                               | P2       |  | 702 675 685                        |
| 801                                     |                     |                            | P2        | 2100-0600N E0900-1540                      |                                 | 1000               | Unknown                   |                               | C1<br>F2 | 2000-1735<br>0330(1000Wed)-1230              | (1)                                |
| 901                                     |                     | Beijing?                   | C1<br>C1  | 2000-1735<br>2000-1735                     | (1)<br>(1)                      | 1008<br>1016       | Fujian<br>Fujian          |                               | F1       | 2100-0500 1000-1800                          | (5)<br>(4)                         |
| 805<br>810                              | Unknown<br>Zhejiang | Hangzhou                   | P1        | 2100-0515 0845-1500                        | (7)                             |                    | Jilin                     | Changchun                     | FS       | KK:1100-1500                                 | 4620 5975 6955                     |
|   | Fujian              |                            | F2        | 0330(1000Wed)-1730                         |                                 | 1006               | Unknown                   | near Beijing                  | C1<br>L  | 2000-1735<br>EE/FFLL                         | (1)                                |
|   | Shanxi              | Taiyuan                    | P         | 2100-0035 0230-0635<br>0900-1510           | 1269 846                        | 1026               | Guizhou                   | Beijing                       | P        | 2130-0020 0150-0620                          | 927 3260 7275                      |
|   | Unknown             | near Guangzhou             |           | EELL 2155                                  |                                 |                    |                           |                               |          | 0850-1605 EELL                               | (1)                                |
| 828*                                    |                     | Beijing                    | L.        |  | 443                             | 1035*              | Unknown<br>Unknown        | near Beijing                  | C1<br>TS | 2000-1735<br>2000-0610(0700Su) 083           | (1)<br>0-1900 (3)                  |
| 837*                                    | Hubei               | Wuhan<br>Vininh            | C1<br>orP | 2000-1735<br>2100-0100 0900-1520           | (1)<br>3950 4940 6255           | 1044               | Jiangsu                   | Changzhou                     | FS       | JJ: 2130-2200 0930-153                       | 0(6)                               |
| 846                                     | Qinghai<br>Pujian   | Kining L                   | F1        | 1000-1800 2100-0500                        | (4)                             |                    | -                         |                               |          | 2 when not FS                                | (1) (2)                            |
|   | Guangdong           | Hui zhou                   | P2        | 2130-2350 0950-1530                        | 1161 1224                       | 1053*              | Yunnan<br>Unknown         | Dongchuan                     | L<br>C1  | 2000-1735                                    | (1)                                |
|   | Shangxi             |                            | P         | 2100-0035 0330-0635<br>0900-1510           | 1269 819                        | 1062               | Guangdong                 | Guangzhou                     | P2       | 2100-0600 E0900-1540                         | 801 Cantonese                      |
|   | Zhe jiang           |                            | P1        | 2100-0515 0845-1500                        | (7)                             | 1069               | Unknown                   |                               | C1       | 2000-1735                                    | (1)<br>558 993 5040 7165           |
|   | Unknown             | near Hangzhou              |           | 0000 1/00                                  | (2)                             | 1071               | Fujian                    |                               | P1<br>P1 | 2000-0530 0750-1600<br>0845-1600E 2100-0530  | 558 882 5040 7165<br>292 1440 4915 |
| 855 <b>*</b><br>864                     | Zhejiang            | Shanghai                   | C2<br>P1  | 2200-1600<br>2100-0515 0845-1500           | (2)<br>(7)                      |                    | Guangxi                   | Tianjin                       | L        | -1735  | 792 1440 4915<br>(1)               |
| 004                                     | Unknown             |                            | Ċī        | 2000-1735                                  | (1)                             | 1080               | Guangdong                 | Shantou                       | L        | 2110-1505                                    | (2)                                |
| 873*                                    | Gansu               | Lanzhou                    | P         | 2120-0100 0220-0600                        | 4865 5970 6155                  | 1089               | Zhejiang<br>Liaoning      | near Hangzhou<br>Shenyang     | P1<br>P  | 2100-0515 0845-1500<br>0720-1500 2040-0540   | (7)<br>(8)                         |
|   | Jiangsu             | Nanjing                    | P2        | 0920-1600 NA                               | 7325                            | 1009               | Sichuan                   | Chengdu                       | P2       | 2220-0530 0900-1300                          | 5900                               |
|   | Unknown             | Ham Jane                   | Cī        | 2000-1735                                  | (1)                             |                    | Unknown                   |                               | ŢS       | 2000-0610(0700Su) 083                        | 10-1900 (3)                        |
| 882                                     | Fujian              | Fuzhou                     | P1        | 2050-0530 0750-1600                        | 558 783 1071 5040               |                    | Jilin                     | Shanghai                      | L<br>P   | 1100- Cultural Pgms<br>2050-0530 0850-1505   | (9)                                |
|   | Nei Monggol         | Hohot                      | L1        |  | 2340 7165                       | 1107               | Liaoning                  | Hunjiang                      | •        | 20,0 0,50 00,00                              | •••                                |
|   | Unknown             | 1101104                    | ČŽ        | 2200-1600                                  | (2)                             | 1116*              | Guangdong                 | Mei Xian                      |          |  |                                    |
| 891                                     | Limoning            | Dandong                    | P         | 2050-0020 0250-0530                        | •                               |                    | Jilin<br>Sichuan          | Antu<br>Chengdu               | P1       | 2120-0800 0920-1505                          | 3245                               |
|   | Ningxia             | Yinchuan                   | P         | 0810-1435<br>2210-0150 0350-0600           |                                 |                    | Unknown                   | 0.1011B                       | C2       | 2200-1600                                    | (2)                                |
|   | HINENTA             | 1 1110114441               |           | 0920-1535                                  | 1287 4830                       | 1105               | Unknown                   |                               | TS<br>C1 | 2000-0610(0700Su) 083<br>2000-1735           | 30-1900 (3)<br>(1)                 |
|   | Shandong            | Jinan                      | P         | 2055-0020 0250-0530                        | 1404 2350                       | 1125               | Unknown<br>Zhejiang       | Linhai                        | P1       | 2100-0515 0845-1500                          | (7)                                |
| 897                                     | Guangdong           |                            | C2        | 0810-1510<br>2200-1600                     | (2)                             | 1135               | Unknown                   |                               | C1       | 2000-1735                                    | (1)                                |
| 899                                     | Unknown             | near Beijing               | C2        | 2200-1600                                  | (2)                             | 1143<br>1148       | Nei Monggol               | Dongsheng<br>near Hangzhou    | P<br>P1  | 2100-0515 0845-1500                          | (2)                                |
| 900                                     | Heilungjiang        | •                          | P         | 2040-0630(0510Th)<br>0830-1530(KK 0300-040 | 621 3340 4840<br>0) 5950        | 1152               | 2heji <b>ang</b><br>Hunan | Changsha                      | P        | 2105-1605                                    | 1161 1233 1584 1591                |
| 902a                                    | Guangdong           | Guangzhou                  | C1        | 2000-0600 -1735                            | (1)                             | -                  | Jilin                     | Tongliao                      |          | 201- 2020 2250 1125                          | /4990                              |
| 909                                     |                     | Tianjin                    | L         | 0000 0(40(00000.) 000                      | 0.1000 (3)                      |                    | Liaoning<br>Unknown       | Luda<br>Luda??                | L<br>M   | 2045-0020 0250-1435<br>Mongolian:1200-1255   | 6430 8565                          |
| 913                                     | Fujian<br>Unknown   | Wencheng<br>near Hong Kong | TS        | 2000-0610(0700Su) 083                      | 0-1900 (3)                      | 1161               |                           | Nanning                       | P2       | 2130-2350 09 <b>50-1</b> 530                 | 5010                               |
|   | Shandong            | Weifang                    | P         | -1510                                      | 594 1441 1485 1548              |                    | Hunan                     |                               | P        | 2105-1605                                    | 1152 1233 1584 1591<br>/4990       |
|   | Jiangsu             | n                          | FS        | JJ:2130-2200 0930-153                      | 0(6)                            |                    | Unknown<br>Unknown        | near Beijing<br>near Hong Kon | ı.er     |  | 74,7,0                             |
| 927                                     | Guizhou             | Beijing                    | P         | 2250-1600N<br>2130-0020 0150-0620          | 1026 3260 7275                  |                    | Unknown                   |                               | _ C1     |  | (1)                                |
|   |                     |                            | •         | 0850-1605 EELL                             |                                 | 1170               | Unknown                   |                               | C1<br>P  | 2000-1735<br>2100-0610 0850-1605             | (1)<br>774 1404 3940 4890          |
| 932                                     | Unknown             | near Hong Kong             |           | 2050-0530 0730-1500                        | 1395 1494                       | 1179               | Hubei<br>Unknown          |                               | Č1       |  | (i)                                |
| 936                                     | Anhui<br>Fujian     | Hefei                      |           | -1658                                      | 702 1476                        | 1188               |                           | Hainan Island                 |          | 2100-0100 0250-0600                          | 954                                |
|   | Jiangsu?            |                            |           | -  | (1)                             |                    | Nei Monggol               |                               | P1       |  | Hainanese<br>675 765 3970          |
| 940                                     | Unknown<br>Unknown  | near Beijing               | C1        | 2000-1735                                  | (1)                             |                    | HAT MANGEOT               |                               | • •      | 0900-1525(1545SaSu)N                         | A 4068 4895 6840                   |
| 954                                     | Fujian              | near perling               | F2        | 0330(1000Wed)-1730                         | (5)                             |                    | Yunnan                    | Kunming                       | FS       | Lao: 1100-1130                               | 11980 15115                        |
| • | Guangdong           | Hainan Island              | HP        | 2100-0100 0250-0600                        | 1188                            |                    |                           |                               |          | Thai:1130-1200<br>Cambodian:1200-1300        | 9460 12450<br>1296 9440 11455      |
|   |                     | Tianjin                    | L         | 0900-1500 EELL, some<br>-1430(1400Su)      | Hainanese                       |                    |                           |                               |          | Thai:1330-1430                               | 9460 11990                         |
| 958                                     | Unknown             | * * #***                   | Č1        |  | (1)                             | 1400               |                           | N-111                         | ~ 4      | Lao: 1430-1500                               | 5220 119 <b>80 15115</b>           |
|   | Xizang              | Lhasa                      | P2        |  | 3917 4035 5240                  |                    | Unknown<br>Guangdong      | near Beijing<br>Guangzhou     | C1<br>C1 |  | (1)<br>(1)                         |
| 0634                                    | Liaoning            | Chifeng                    | P         | Tibetan<br>2040-0100 0250-0540             | 5995 9490 9680<br>612 1089 1260 |                    | Unknown                   | near Hong Kor                 | ug .     |  | - •                                |
| 70)-                                    | nienii:1            | A1127.014P                 | •         | 0720-1500                                  | 3930 4830                       |                    | * Jilin                   | Yanji                         | YP       | 2030-2340 0230-0540                          | <b>V</b> V                         |
|   | Zhejiang            | 01                         | P1        |  | (7)                             |                    |                           |                               | ¥        | 0830-1430, mostly in<br>KK:1000-1055 0400-04 | 55 8565 9900                       |
|   | Henan<br>Fujian     | Zhengzhou<br>Fuzhou        | P2<br>P2  | 2150-0515 0925-1500                        | 2200, some (1)                  |                    | Yunnan                    | Kunming                       | FS       | EE 1800-1900                                 | 12450                              |
| 741                                     | Unknown             |                            | C1        |  | (1)                             | 101-               |                           | <del>-</del>                  |          | Hindi:1500-1800                              | 11455 12450                        |
|   | Zhejiang            | Changha!                   | P1        | 2100-0515 0845-1500<br>2030-1500, EELL     | (7)                             | 1215               | Unknown                   | near Beijing                  |          |  |                                    |
| 990                                     | Yunnan              | Shanghai<br>Kunming        |           | 2150-0600 0920-1605                        | 576 2460 4760                   |                    |                           |                               |          |  |                                    |
|   | ·                   |                            |           |  | •                               |                    |                           |                               |          |  |                                    |

| Freq        | Province                | City                         | Pgm      | Schedule   | Parallels                     | Freq         | Province                | City                 | Pgr:     | Schedule                                      | Parallels                   |
|-------------|-------------------------|------------------------------|----------|--|-------------------------------|--------------|-------------------------|----------------------|----------|---|-----------------------------|
| 1224        | Guangxi                 | Beihai                       | L        | 2215-2350 0245-0455                                |                               | 1431a        |                         | Shanghai             | L3       | 2155-2300 0025-0130                           |                             |
| - <b></b> · | -                       | _                            | _        | 1015-1500 (some Guango                             |                               |              |                         |                      | -,       | 0355-0500 0700-0900                           | on to TT                    |
|             | Qinghai<br>Unknown      | Chengdo                      | P<br>TS  | 2000-0610(0700Su) 0830                             | )-1900 (3)                    |              | Heilongjiang            | Hailar               | P        | 0950-1455 Cultural Pgm                        | is at III                   |
| 1000        | Unknown                 | near Beijing                 |          |  |                               |              | Zhejiang                |                      | P1<br>TS | 2100-0515 0845-1500<br>2000-0610(0700Su) 0830 | (7)                         |
| 1233        | Hunan                   | Changsha                     | P        | 2105-1605I   | 1152 1161 1584<br>1591 4990   | 1437a        | Unknown<br>Jilin?       |                      | TS       | some C1 also                                  | (1) (3)                     |
| 1238        | Unknown                 | V                            | C1       | 2000-1735  | (1)                           |              | Guangxi                 | Linzhou              | P1<br>MS | 0845-1600E 2100-0530                          | 792 1071 4915               |
|             | Yunnan<br>Qinghai       | Kunming<br>Xining            | P<br>P   | 2155-0100 0955-1600<br>2230-1510                   | 3950 4940 6500                | 1441         | Unknown<br>Shandong     | Yantai?              | P.       | Mongolian: 1200-1255<br>-1510                 | 6430 8565<br>594 918 1441   |
| •           | Unknown                 |                              | C2       | 2200-1600  | (2)                           | 1449         | I i on avi              | Tinadoahona          | P        |   | 1548 2350                   |
| 1260        | Unknown<br>Liaoning     | Ruxin shi                    | FS<br>P  | Mongolian: 2300<br>0720-1500 2040-0100             | (8)                           | 1453         | Jiangxi<br>Unknown      | Jingdezhen?          | Ć1       | 2000-1753                                     | (1)                         |
|             | Unknown                 | D. b                         | C1       | 2000-1735  | (1)                           | 1458         | Nei Monggol             | Huhot                | MS       | Mongolian: 0500-0555                          | 4070 6974<br>621 1521       |
|             | Fujian<br>Shanxi        | Dehua<br>Taiyuan             | F1<br>P  | 1000-0500<br>2100-0035 <b>0330-0635</b>            | (4)<br>846 819                |              |                         |                      | FS<br>P2 | RR: 1600-1755<br>2130-0050 0230-0500          | 021 1521                    |
|             |                         |                              | -        | 0900-1510  |                               | 1467         | Puiion                  |                      | P2       | 0900-1600                                     |                             |
| 1278        | Unknown<br>Hebei        | near Beijing<br>Shijiashuang | P        | EELL 2215<br>2115-2350 1200-0600                   | 783                           | 1407         | Fujian<br>Unknown       | near Beijing         | F2       |   |                             |
| •           |                         |                              | -        | 0840-1535  | 1.03                          | 1476*        | Fujian                  | Wencheng             |          | -1658   | 702 936                     |
| 1287*       | Zhejiang?<br>Ningxia    | Yinchuan                     | P        | 2210-0350 0920-0600                                | 891 4830                      |              | Hebei                   | Huangshi<br>Beijing  | L<br>L   | EE/FF/JJ LL only                              | <b>/</b> =>                 |
|             | Unknown                 |                              | C1       | 2200-1735  | (1)                           |              | Zhe jiang               | Ningbo               | P1<br>C2 | 2100-0515 0845-1515<br>2200-1600              | (7)<br>(2)                  |
| 1296        |                         | Shanghai                     | L4       | 2155-2330 0025-0200<br>0355-0530 0755-14 <b>30</b> |                               | 1485         | Unknown<br>Jilin        |                      | P        | 2000-0530 0850-1505                           | (9)                         |
|             | Tinami                  | P #                          |          | EE/FF/JJ LL only                                   |                               | -            | Shandong                |                      | P        | -1510   | 594 918 1441                |
|             | Liaoning<br>Sichuan     | Benxi<br>Xian                |          |  |                               | 1494         | Anhui                   | Hefei                | P        | 2050-0100 0250-0500                           | 1548 2350<br>936            |
|             | Yunnan                  | Kunming                      | FS       | Bengali:1500-1600                                  | 9965 12450                    |              | Vanan                   | Thomashou            |          | 0730-1500                                     |                             |
|             |                         |                              |          | Cambcdian: 1030-1130<br>1230-1300 1400-1500        | 9440 11455<br>11695 15125     |              | Honan<br>Fujian         | Zhangzhou<br>Sanming |          |   |                             |
| 1202        | Harbara                 |                              |          | FF:1300-1400                                       | 9440 11455 11695              | 1503         | Jilin<br>Hunan          | Tongliao             | P        | 2120 2220 0220 0500                           |                             |
|             | Unknown<br>Jiangsu      | Suzhou                       | C1<br>P  | 2000-1735<br>2050-1450I EELL                       | (1)<br>702 1413               | נטנג         | Hullell                 | Xiangtan             | •        | 2130-2330 <b>0320-0500</b> 0950-1520          |                             |
|             | Sichuan                 | Chongqing                    | TIC.     | -  | · .                           |              | Jilin<br>Liaoning       | Liacyan              | P        |   |                             |
| 1320        | Unknown<br>Unknown      |                              | FS<br>C1 | Mongolian: 1200-1255<br>2000-1735                  | 5145 5850 6555<br>(1)         |              | Zhejiang                |                      | P1       | 09201-1510 2100-0515                          | (7)                         |
| 1323        | Zhejiang                | Ningbo                       | P1       | 2100-0515 0845-1500                                | (7)                           |              | Guangxi<br>Heilongjiang | Hailar               | L        | 2130-2350(partial sked<br>2150-2400 0950-1500 | l)<br>4750?                 |
| 1332        | Jilin<br>Hen <b>a</b> n | Changchun<br>Luoyang         | L<br>P1  | 2120-1400 0350-1515                                | 657                           | *            | Unknown                 | Hallel               | TS       | 2000-0610(0700Su) 0830                        |                             |
| 1341        | Unknown<br>Guangdong    |                              | C1<br>FS | 2000-1735  | (1)                           |              | Xinjiang<br>Jilin       | Urumqi               | FS<br>P  | Rissian: 1000-0255<br>2000-0530 0845-1505     | 7140 9725<br>(9)            |
| 4 )44       | Guantegong              | Guangzhou                    | ro       | Tagalog:1200-1230<br>Vietnamese:1230-1430          | 6520 8240 15250<br>9945 11725 | - , , , ,    | Shanxi                  |                      |          | -1535   | (7)                         |
|             |                         |                              | Cı       | Tagalog: 1430-1500<br>When not FS                  | 5420 6520 11445               | 1539         | Zhejiang<br>Fujian      | Hangzhou<br>Dehua    | P2<br>F2 | 2110-0030 0250-1505<br>0330(1000Wed)-1730     | (5)                         |
|             | Unknown                 |                              | Ci       | 2000-1735  | (1)<br>(1)                    |              | Shandong                | Rushan               | . ~      | -1510   | 594 918 1441                |
| 1350        | Guangdong?<br>Yunnan    | Kunming                      | C1<br>L  | 2000-1735  | (1)                           |              | Unknown                 | near Beijing         |          |   | 1485 2350                   |
|             |                         |                              |          | 2215-2400 0345-0600 0955-1520; may have som        | e P1 or P2                    |              | Fujian                  | Fuzhou               | L1       |   |                             |
| 1359        | Unknown<br>Unknown      | near Hangzhou                | C1<br>C1 | 2000-1735<br>2000-1735                             | (1)<br>(1)                    | 1566<br>1570 | Shandong<br>Henan       | Ya Xian              | P        |   |                             |
| 1363        | Unknown                 |                              | C1       | 2000-1735  | (1)                           | 1575         | Gansu                   | Yumen shi            |          | 2010 11107                                    | Old 6 (4)                   |
|             | Unknown<br>Fujian       | Dehua                        | C1<br>F2 | 2000-1735<br>0400-2100                             | (1)<br>(5)                    |              | Zhejiang<br>Unknown     | Wengzhou             | L<br>C1  | 2050-1510I<br>2000-1735                       | 2415, some (1)              |
|             | Shandong                | Qingdao                      | L        | 2100-0030 0255-0630 08                             | 55-1500                       | 1584         | Hunan                   |                      | P        | 2105-1605                                     | 1152 1161 1233              |
|             | Unknown<br>Anhui        | near Hong Kong               | P        | 2050-0530 0730-1500                                | 936                           | 1591         | Hunan                   | Pingdingshan?        | P        | 2105-1605                                     | 1591 4990<br>1152 1161 1233 |
|             | Unknown                 | W. L                         | C1       | 2000-1735  | (1)                           |              | Hebei                   |                      |          |   | 1584 4990                   |
|             | Hubei<br>Liaoning       | Yichang<br>Dandong           |          | 2100-0610 0850-1605<br>2050-0020 0250-0530         | 774 1179 3940 4980<br>891     |              | Xinjiang                | Jingshan<br>Urumqi   |          |   |                             |
|             | •                       | •                            |          | 0810-1435  |                               | 1602         | Jiangsu                 | Hongze               | L        | 2155-2315 0325-0435                           | DDC Dam-1                   |
|             | Shandong                | Jinan                        | P        | 2050-0020 0250-0530<br>0810-1510                   | 891 2350                      |              | Unknown                 |                      | C1       | 0910-1330 (some Jiangs<br>2000-1735           | (1)                         |
| 12.00       | Zhejiang                |                              |          | 2100-0515 0845-1500                                | (7)                           |              |                         |                      |          |   |                             |
|             | Unknown<br>Jiangsu      | Lianyungang                  | C1<br>P  |  | (1)<br>702 1314               |              |                         |                      |          |   |                             |
|             | •                       |                              |          | 0900-1450I some FS/C1/                             | C2                            |              |                         |                      |          |   |                             |
|             | Unknown<br>Jiangxi      |                              | C1<br>P  | -1435  | (1)<br>729? 5020?             |              |                         |                      |          |   |                             |
|             | Sichuan                 | Zigong                       | Ĺ        | 0920- 2120-0500                                    | 1-7: 2004:                    |              |                         |                      |          |   |                             |
|             | Zhejiang?               |                              |          | -1435I(In Amoy)                                    |                               |              |                         |                      |          |   |                             |

2614 Jackson Street San Francisco, CA 94115 12-8-80

Dear Bruce,

I think your China list is certainly a major effort. However, its major fault is that it contains many of the geographic errors I made in my initial report of about a year ago, plus those carried on through the years by WRIVH, and even some which are in the FERC log. It looks to me like the FERC log loggings are correct, but they too, do not incorporate some boundary changes relating to Nei Monggol and Jilin.

- p.) Under Fujian, the city s/b "Dehua" Qinghai was "Tsinghai"; I have neverseen it as "Chinghai"
- p. 2 The National program <u>is</u> broadcast 1200-1230 on C-1, C-2, and P-1 outlets (for the most part) but not on the C-2 schedules I have seen
- p. | Xinjiang program schedules list Beijing time in them -- but the s/off and s/on times seem to be backed up two hours (s/off on most services is 1:30am Beijing time, and possibly 1:30 in Urunqi, but apparently they treat it like 11:30pm. Who knows?)
- p.2 The C-1 and C-2 stations do have the 5+1 time pips; most provincials have the same thing, but I did note one province which differed. Some of the locals have no time pips. "East is Red" was noted on the hour only, after the pips and an announcement pertaining to the time in Beijing; never on the half-hour. "Internationale" was heard only at s/on and s/off. (That's the lst s/on and the last s/off.)
- p.3 About half of the provinces have verified for me.

```
p.3+ 549 Zhangzhou is FJ, not JS
```

558 Jianya ng is FJ, not JS

567 s/b "Hebei"

594 Wencheng is 2J, not FJ

684 s/b Hebei. Tangshan listed

693 Jiangsu - delete. This was my error. Sichuan - delete. My error. S/b Xian, Shaanxi.

702 TS - I believe this is JS with TS rather than FJ. Some of the old WRTVH's indicate this. The verie in EE simply said "the stations are in our area."

720v (varies 719-723) - JS with FS//1044

750 TS - pretty well confirmed as in FJ

792 TS - I believe this is Shanghai w/TS. Indicated in old WRTVHs.

837 FERC lists Wuhan local on 873. It is certainly not impossible to have both this purported 300kw C-1 outlet and L pgng\* However, it was not listed in the SD newspaper programs as a C-1 freq., and 873, which certainly would not have 300kw with local programs, was/. \*on 873

846 s/b Shanxi

909 Wencheng is ZJ

936 I think this is Hefei with TS, rather than FJ. Once again, old WRIVHs say so

1107 Hunjiang is JL, not LN

1224 Chengdu (not Chengdo) is in Sichuan (not QH)

1251 Xining QH is fulltime Mongolian

1314 s/b Xuzhou rather than Suzhou (both are cities in JS)

1440 s/b Liuzhou rather than Linzhou. This station carries some Mongolian programming for minorities in GX (so says the pgm. schedule)

1476 Wencheng is ZJ Huangshi is in Hubei rather than Hebei

1503 The JL city is Liaoyuan, but this appears to be Liaoyang IN

1566 Ya Xian is in GD, not SD

1575 s/b Wenzhou

1593 Jingshan is in Hubei, not Hebei

In any case, I appreciate all the work you put in on this. WRTVH has always carried Wencheng in FJ, and who knows, perhaps a border shift did take place there, too. But it is definitely across the border in ZJ. I do have documentation on all the other stuff as well.

--- Pete Taylor