

# Quick Offline Ham Search

On my linux computer, I keep a csv file of the ISED ham database for when I need to quickly look up someone. Here are a few tricks to make the process really quick.

## Setup

Instead of using my browser to download the file from ISED ([http://apc-cap.ic.gc.ca/datafiles/amateur\\_delim.zip](http://apc-cap.ic.gc.ca/datafiles/amateur_delim.zip)), I run this script, which:

1. Downloads the zip file to my ~/Ham folder
2. Changes the extension to csv
3. Deletes all the files I don't want

`ised.sh`

```
#!/bin/bash

DIR=$HOME"/Ham"

echo "Downloading Amateur Archive from ISED website:"
wget --report-speed=bits http://apc-cap.ic.gc.ca/datafiles/amateur_delim.zip
-P $DIR
echo

echo "Unzipping archive:"
cd $DIR
unzip amateur_delim.zip

echo "Changing extension to csv"
mv amateur_delim.txt amateur_delim.csv
chmod 644 amateur_delim.csv

echo "Deleting amateur_delim.zip, lisezmoi_amat_delim.txt, and
readme_amat_delim.txt"
rm amateur_delim.zip lisezmoi_amat_delim.txt readme_amat_delim.txt
echo
echo

echo "Done. Note that the customer separator is:   ;"
echo
```

To look up the file, I added this line to my alias:

```
alias hamsearch='cat ~/Ham/amateur_delim.csv |grep -i '
```

## Usage

To update my local file, I only have to type this into the terminal:

```
ised.sh
```

To look up something, I only have to type this into the terminal

```
hamsearch [Search Term]
```

## Examples

You can search for a callsign:

```
hamsearch ve7aaa
```

```
VE7AAA;Arthur Ellwood;Abrahamson;760 OXFORD PLACE;CAMPBELL  
RIVER;BC;V9W7Y7;A;;C;D;;;;;
```

Or search for any strings in that file. Use `"` if there's more than one word.

```
hamsearch 'vancouver general'
```

```
VA7LGH;Ernest;Mix;436 CARDIFF WAY;PORT MOODY;BC;V3H3T1;A;B;;D;;Vancouver Coastal  
Health Amateur Radio Group;c/o VCH Emergency Management - Vancouver General  
Hospital;855 West 12th Avenue, JPPS1, Room 1769;VANCOUVER;BC;V5Z1M9  
VA7PRH;Ernest;Mix;436 CARDIFF WAY;PORT MOODY;BC;V3H3T1;A;B;;D;;Vancouver Coastal  
Health Amateur Radio Group;c/o VCH Emergency Management - Vancouver General  
Hospital;855 West 12th Avenue, JPPS1, Room 1769;VANCOUVER;BC;V5Z1M9  
VA7RHS;Ernest;Mix;436 CARDIFF WAY;PORT MOODY;BC;V3H3T1;A;B;;D;;Vancouver Coastal  
Health Amateur Radio Group;c/o VCH Emergency Management - Vancouver General  
Hospital;855 West 12th Avenue, JPPS1, Room 1769;VANCOUVER;BC;V5Z1M9  
VA7SGH;Ernest;Mix;436 CARDIFF WAY;PORT MOODY;BC;V3H3T1;A;B;;D;;Vancouver Coastal  
Health Amateur Radio Group;c/o VCH Emergency Management - Vancouver General  
Hospital;855 West 12th Avenue, JPPS1, Room 1769;VANCOUVER;BC;V5Z1M9  
VA7SMH;Ernest;Mix;436 CARDIFF WAY;PORT MOODY;BC;V3H3T1;A;B;;D;;Vancouver Coastal  
Health Amateur Radio Group;c/o VCH Emergency Management - Vancouver General  
Hospital;855 West 12th Avenue, JPPS1, Room 1769;VANCOUVER;BC;V5Z1M9  
VA7VCH;Ernest;Mix;436 CARDIFF WAY;PORT MOODY;BC;V3H3T1;A;B;;D;;Vancouver Coastal  
Health Amateur Radio Group;c/o VCH Emergency Management - Vancouver General  
Hospital;855 West 12th Avenue, JPPS1, Room 1769;VANCOUVER;BC;V5Z1M9  
VA7VCS;Ernest;Mix;436 CARDIFF WAY;PORT MOODY;BC;V3H3T1;A;B;;D;;Vancouver Coastal  
Health Amateur Radio Group;c/o VCH Emergency Management - Vancouver General  
Hospital;855 West 12th Avenue, JPPS1, Room 1769;VANCOUVER;BC;V5Z1M9  
VA7VGH;Ernest;Mix;436 CARDIFF WAY;PORT MOODY;BC;V3H3T1;A;B;;D;;Vancouver Coastal  
Health Amateur Radio Group;c/o VCH Emergency Management - Vancouver General  
Hospital;855 West 12th Avenue, JPPS1, Room 1769;VANCOUVER;BC;V5Z1M9
```