



Go Take a Hike!

(QRP Portable)

Shel Radin KFØUR



Let's Define QRP Portable

- What is QRP?
 - 5 watts or less on CW or digital
 - 10 watts or less on SSB

Turn the power down to 5 watts, and these are QRP rigs



Yaesu FT-9000

Icom 7800



But that's not what we're talking about!

And you can use an antenna
like this



But that's not what we're talking about either

This is what we're talking about!



This is why we go QRP Portable!



Dan
K0UIF



And this is why we go QRP Portable!

- Recent Log from QRP portable includes:

ES1TU – Estonia	EA8TL – Canary Islands
US0GA – Ukraine	RM22MR - Russia
OM3DX – Slovak Republic	YT9M - Serbia
F5UQE – France	DL4CF - Germany
OT4A – Belgium	CN2OZ - Morocco
S52WW – Slovenia	OZ2TF - Denmark
HA5AGS – Hungary	YY4IVB - Venezuela
9A5Y- Croatia	V44KAI – St. Kitts & Nevis
SP3ASN – Poland	And ~40 states



Let's look at the 4 main components I use

1. **Rig**
2. **Antennas**
3. **Power Plant**
4. **Accessories**

The Rig

I started with an Elecraft KX1

- 4 watts, CW only, 3 or 4 bands



The Rig

I now use an Elecraft KX3

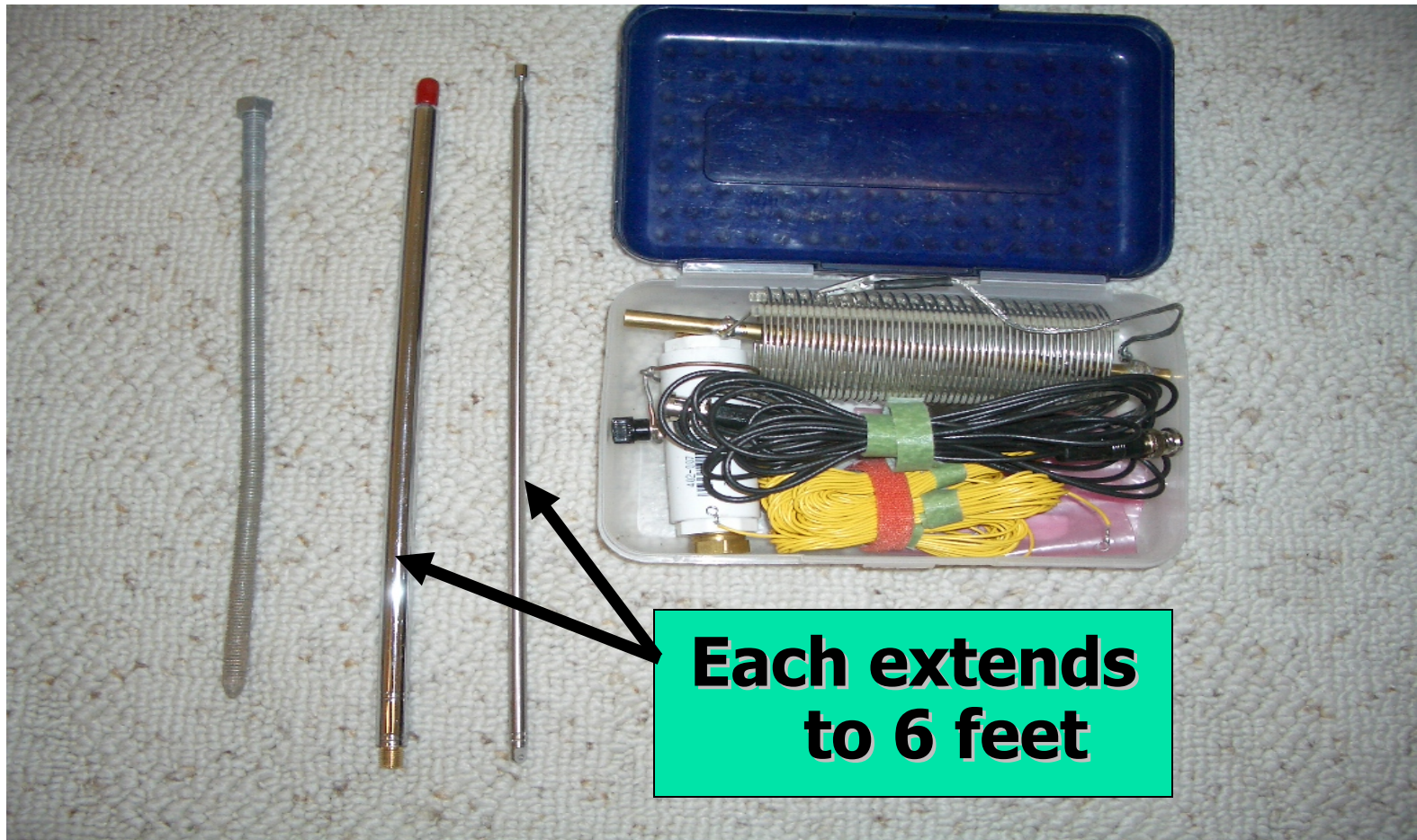
- All HF bands/6 Meters and modes



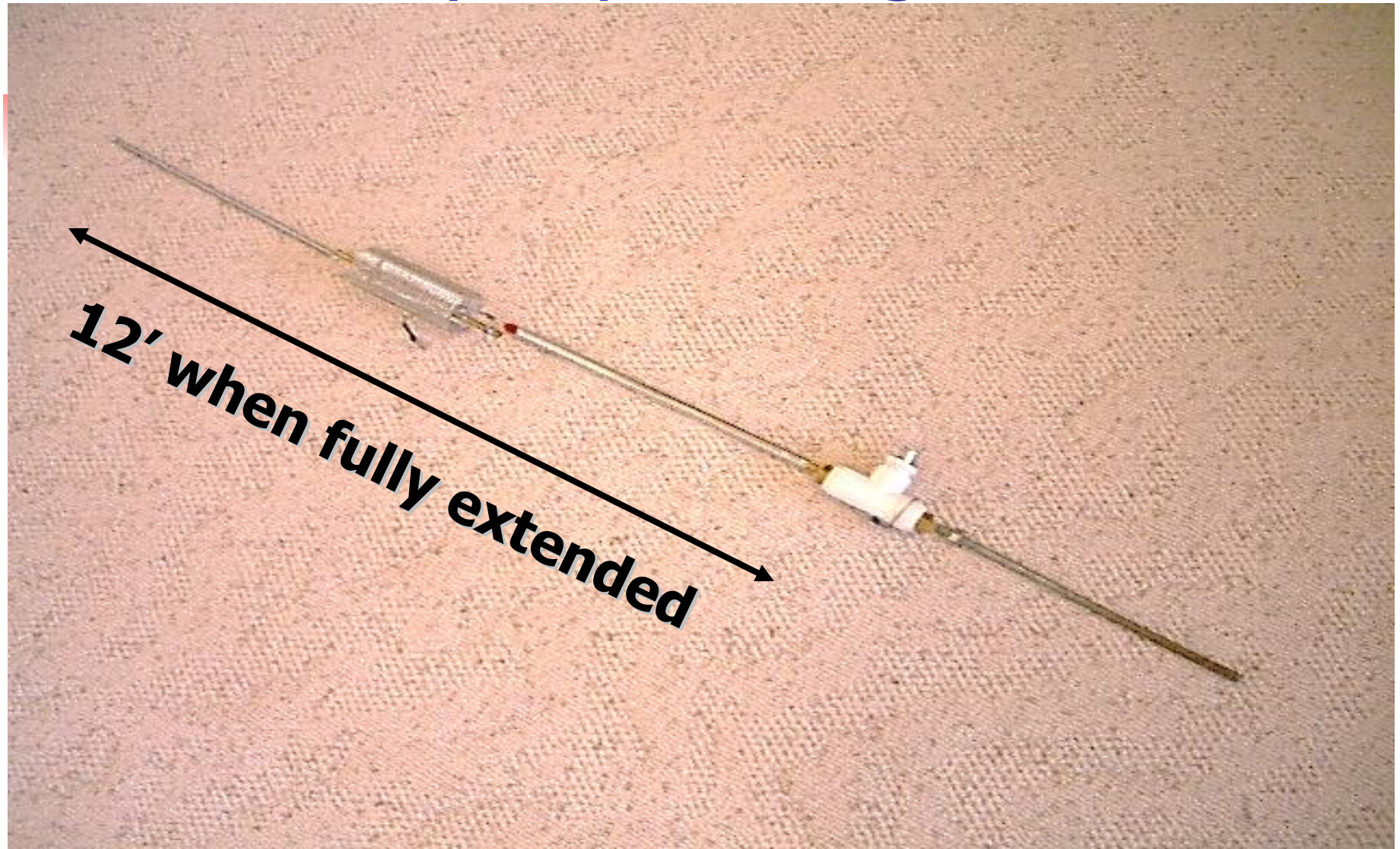


On Iron Mountain, Manitou Springs @ 7200'

HF Antenna – Homebrew Vertical



And when you put it together...



On Mt. Herman, Monument @ 9000'



The View from Mt. Herman @ 9000'



On Iron Mtn, Manitou Springs at 7200'





On Mt. Blodgett, Co. Springs @ 8000'

For 6 Meters, I use a homebrew Moxon



AlexLoop out of the window



The view from outside



(the white streaks are snow)

The indoor setup – you don't have to be outside





Power It Up

- There are lots of Battery choices
 - Alkaline, SLA, NiCd, NiMH, Lithium, Ion/Polymer
- Considerations
 - Size
 - Weight
 - Juice
 - Rechargeability



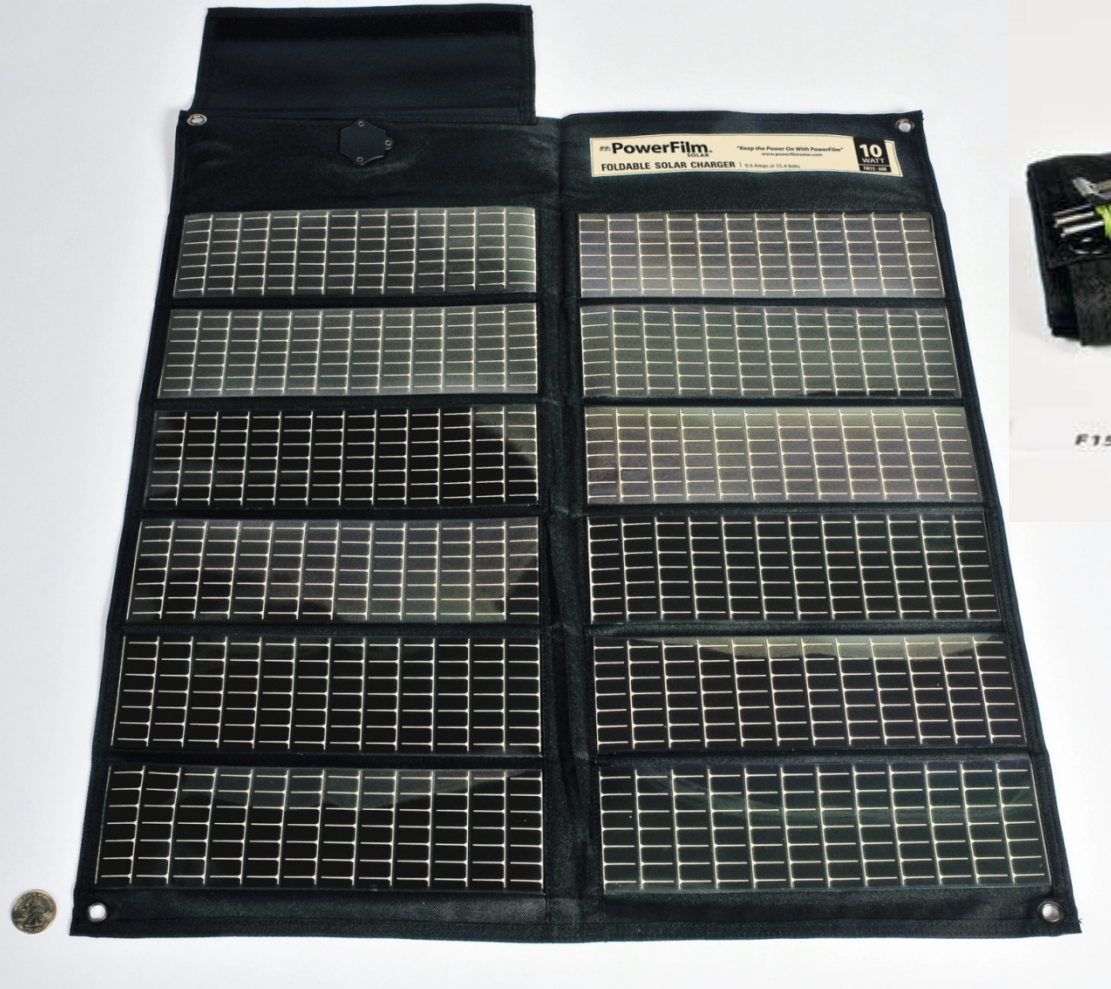
My Choices

- Battery: 12 volts, 2 Amp Gel Cell
- Recharge: PowerFilm Solar 10 watt folding solar panel
- Charge Controller: A&A Engineering

Result:

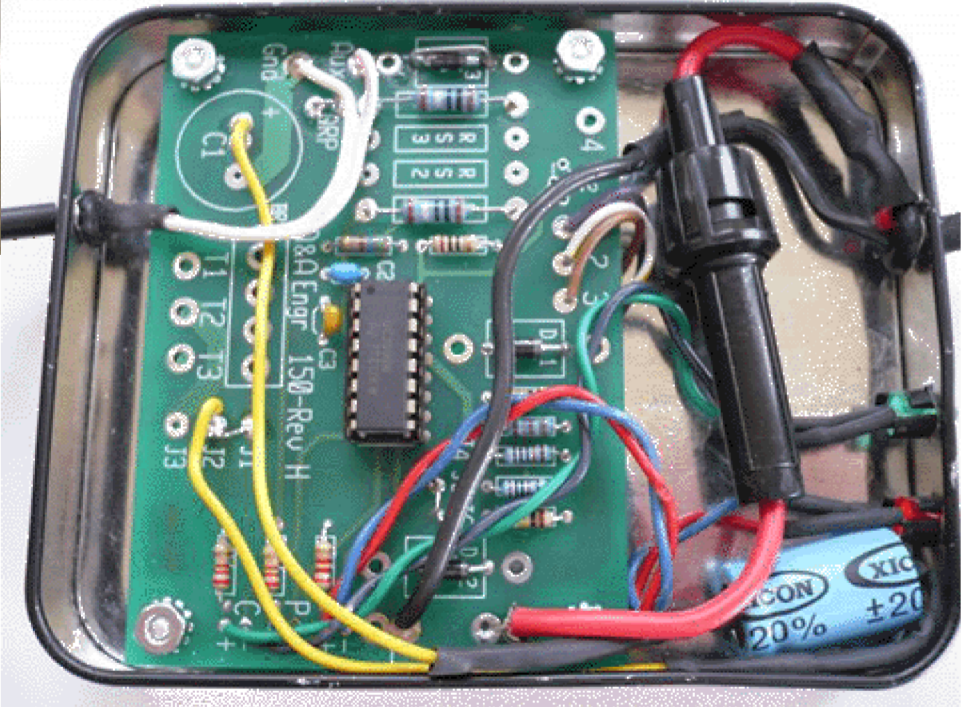
Can operate **ALL DAY with full power**

PowerFilm Solar 10 watt Panel



F15-600

A&A Engineering Charge Controller



Watt's Up



Accessory - **Key Log Go** or **Ham Central Terminal** by QRPworks



Started as a homebrew MicroController project!



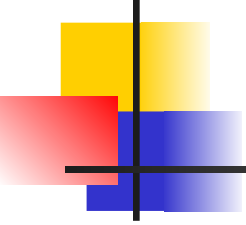
On Mt. Blodgett, Co. Springs @ 8000'



And that's why we go QRP Portable!



Spruce Mountain, Palmer Lake, CO



Get Out!

...of the house...and enjoy another wonderful
facet of our hobby!



Thanks for your time!

C U on the air

72, Shel KF~~Ø~~UR