

One of the main reasons we are having a symposium involving extragalactic jets here is that jets are a commonplace phenomenon in active extragalactic radio sources.

Let's look quickly at evidence for this ~~from jet databases I have kept from literature and many private communications from colleagues:~~

EXTRAGALACTIC JETS ARE COMMON PLACE

- A.H.B. "working list" of jets + jets?
239 sources June 1985



136 "definite jets" in sources with
KNOWN REDSHIFTS, spanning wide range:

Distances ($H=100, q_0=\frac{1}{2}$)	5 Mpc \rightarrow 10,200 Mpc (Cen A) (QSO, $z=2.594$)
Total source powers at 1.4 GHz	$10^{21.6} \rightarrow 10^{28.4}$ W/Hz ($10^{31} \rightarrow 10^{38}$ WATTS, 10 MHz TO 100 GHz)
Core powers at 5 GHz	$10^{20.4} \rightarrow 10^{28.2}$ W/Hz
Jet lengths	50 pc \rightarrow 280 kpc

So - jets occur in sources with whole range of powers,
^{active}
sizes and distances characteristic of extragalactic
sources. Not confined to any one sub-type. This
suggests they are part of basic physics of whatever
makes the large scale sources

Also very important is rate of detection of jets in
complete samples of different source types when observed
with fairly homogeneous sensitivity, resolution +
dynamic range.

head - collimated stream or flow

\bar{E}/E_{rel} - something looking like it might be

the cause - MORPHOLOGY

ONLY except for

VBI!