

11/24/73

SUMMARY ON ADVICE CONCERNING ~~MIAMI~~ BIKINI ISLANDERSBrewen and Preston: Oak Ridge

Logistics: 200 people, 6 per day - would take two people about 1 month
 Equipment: Small med lab, 2 portable incubators, centrifuge, microscope
 People: perhaps 1 person could do it, but two much better
 need people of technician level - highly qualified
 Carolyn Gooch could do it, Judy Bodicoat (Shelly's assistant) could too
 Slide reading: More than 1 lab might do it
 Shelly Wolf
 Mike Bender
 Brewen and Preston
 Kastenbaum--Amer. Tob. Inst. Statistician and expert on experimental
 design

Medical records: Good records needed
 Organization: perhaps need an expert panel to get it organized.

Mayall and Carrano: Lawrence Livermore

Method: Interested in using their technique of measuring total DNA/chromosome
 Very sensitive now. looks promising and need a test population to
 work it out on. Perhaps can see a 2 to 5% difference
 with age. Perhaps 18 months until ready to go in field
 ~~MIAMI~~ DNA variation is indeed greater in older people, say in the
~~BJKJGKJGKJGK~~ content of a specific chromosome.
 or gaps
 Chromosomal method - loss: let culture go through 2 divisions, which
 would show up as a DNA loss in 2nd division.
 Blood could be collected in field - delivered to Livermore.
 Chromosomes would be stained with usual method and also
 banding methods.
 Semen samples might also be collected -- Bart Gladhill, reproductive biologist

Bender: Johns Hopkins
Should do it!!

Method Blood samples pre-resettlement - somebody in Hawaii could make
 slides. Fly blood to Hawaii. ~~MIAMI~~ Slides could be
 stored for examination later - should be frozen, but important
 to be kept dry
 People: A professional should plan it and decide who should do it.
 Carrano - good, but might like to practice first
 In house capability - perhaps faster;
 IASL - Peterson, Devin (worked with Brandom)
 Oak Ridge.

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