

July 19, 99

Seiji Kawamura

National Astronomical Observatory of Japan

TAMA Group (NAOJ-TAMA)

wants to join LSC.

Interferometer Configuration  
especially RSE

Important Distinction

NAOJ-TAMA is not <sup>the whole</sup> TAMA group,

but a sub-group of TAMA.

# Brief History

---

Kawamura worked for LIGO for 7 years.

89-92, 93-94 Working on the 40m

95-97 Suspension Task Leader

97 Caltech Advanced R&D Leader

Supervising Mason on RSE

Kawamura left LIGO and joined TAM in 97.

While working on TAMA, Kawamura started RSE experiment with Miyakawa.

Kawamura visited Caltech to help Mason

in summer 98 and 99 (with Miyakawa).

# Introduction of NAOJ-TAMA

---

[Staff] (for RSE)

Kozai	Professor	PI of TAMA
(5%) Fujimoto	Professor	Program Manager of TAM
(20%) Kawamura	Associate Professor	TAMA Detector Group Leader
(100%) Miyakawa	Graduate Student	

plus ~~three~~<sup>3</sup> Research Associates      Arai  
3 ~~2~~ Post Docs      Heinzel  
1 Technician  
3 Graduate Students

[Budget on RSE]

98      \$110K

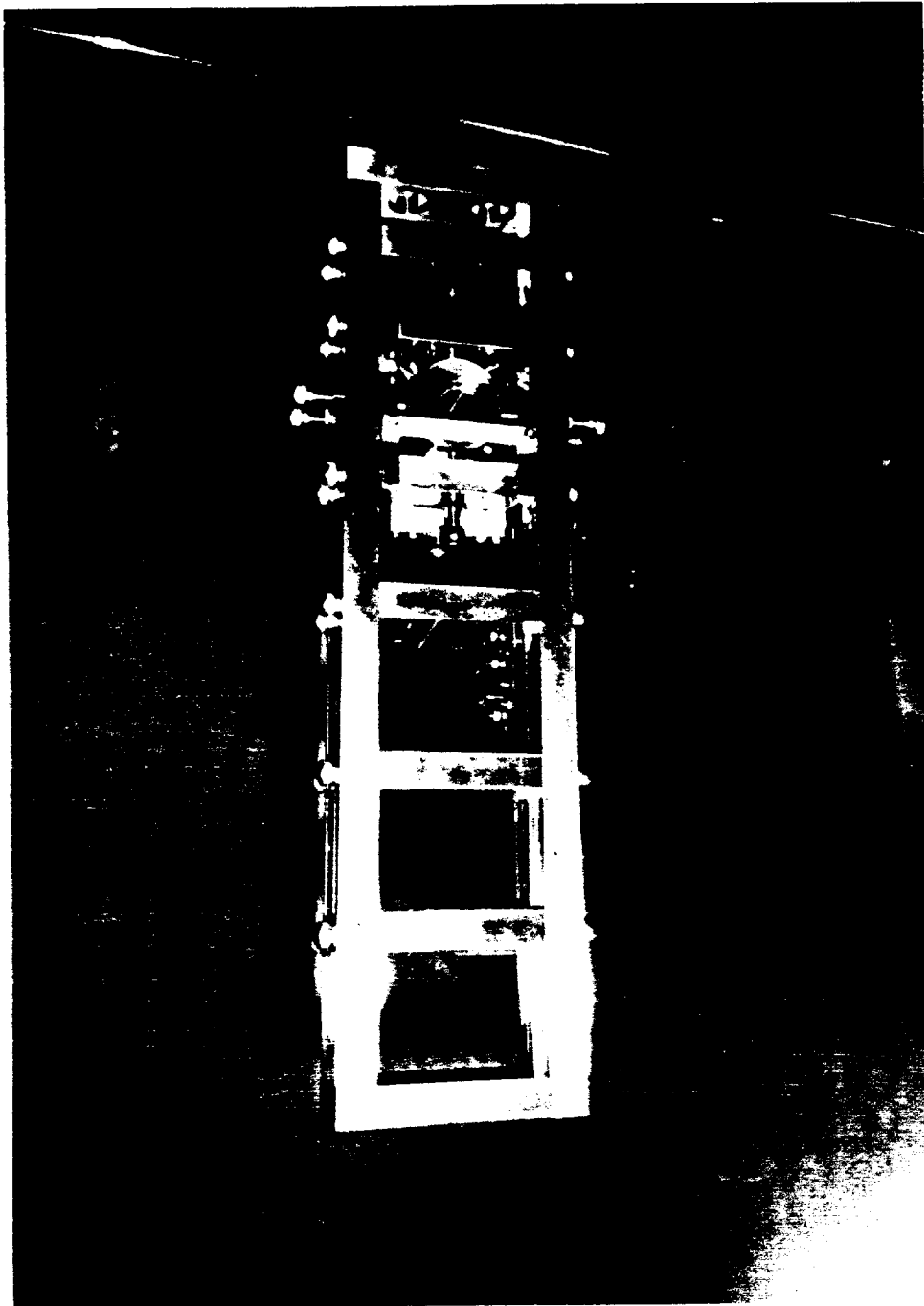
99      \$  $6\frac{1}{5}$ K + (\$85K?)

# Contributions we want to make

---

- Theoretical
  - Analysis of RSE
    - Detuned Peak above the Broadband corner frequency
    - Signal Extraction method
- Experiment of RSE
  - complementary to Mason's method
  - in vacuum, <sup>miniature</sup> suspended mirror
- Visit to Caltech to help Mason
  - when?





*Note 1, Linda Turner, 08/17/99 07:28:11 PM*  
LIGO-G990079-03-M