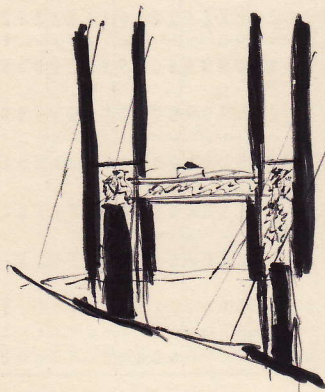


1985 June 29.



It should be possible to devise an automatically self-levelling ladder that will adjust pistons on the feet to provide a level footing on uneven ground. The levelling system could be fluid-based and with considerable inertia, so that levelling might take 30 seconds or 1/2 to complete.

Best if a non-powered mechanism could be devised - using gravity and/or springs - but a powered mechanism could also be considered.

## ROBOCHEF

1985-6-29

There ought to be a real market for a real 'robochef' - a computer-controlled combination of a food preparation unit and a cooking unit. Not an 'automatic production line' approach, but an individualized unit storing hundreds or thousands of recipes, which will ask for the number of people to be served, whether a specific recipe or a made-up is to be used, will check the ingredients available (and offer substitutes if possible), will give step-by-step instructions for addition of ingredients (automatically metering if desired), say everything to still be done by human hand. Cooking can be computer-controlled & monitored quite easily. Some aspects - standard cooking vessels suited to use in food preparation unit; some purposely random variation in recipes offered or used or applied; scheduling of individual dishes to all ~~ready~~ ready, etc give time if required.

## TRIBOLUMINESCENCE

1985-6-25

- "If you crush a lump of sugar with pieces in the dark, you can see a bluish flash" - light emitted when crystals are crushed
- should be applicable for TV, copies? Investigate.
  - Also, 'shriek of tin' for sound generation