

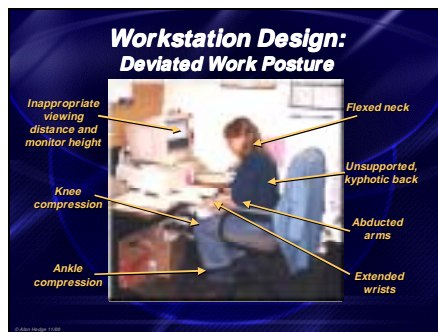
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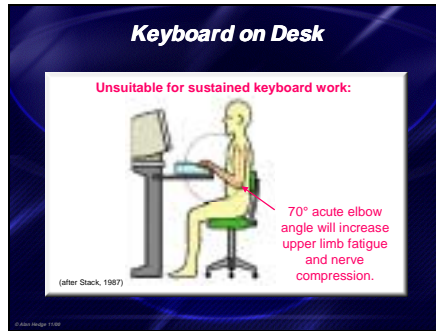
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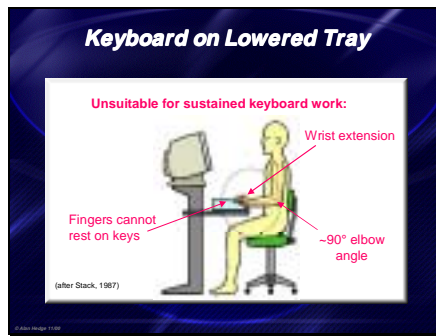
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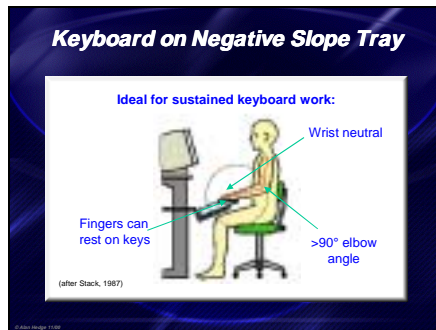
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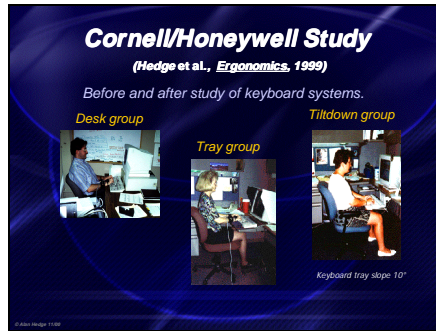
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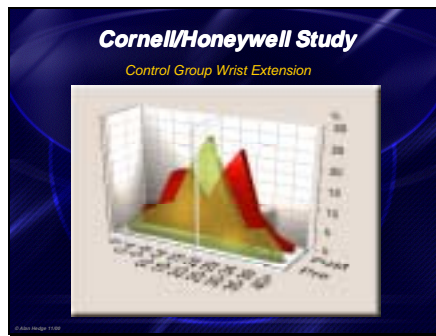
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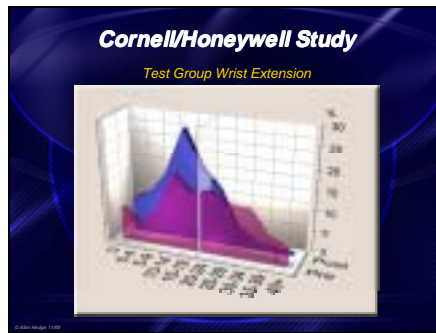
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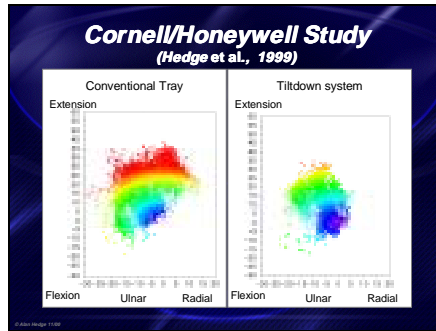
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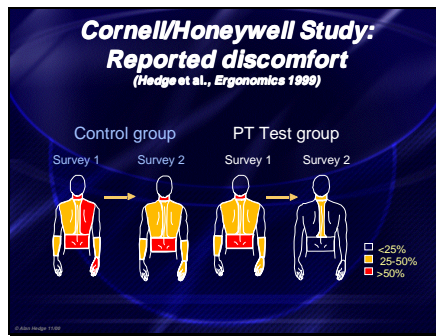
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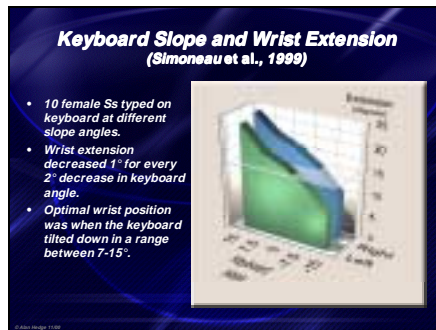
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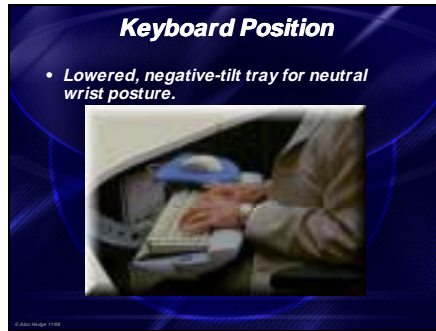
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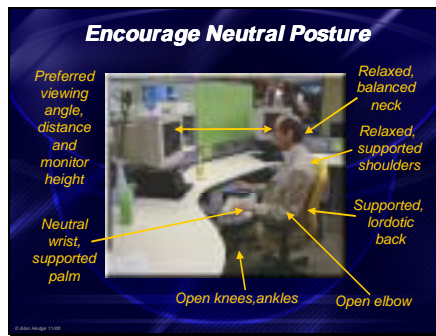
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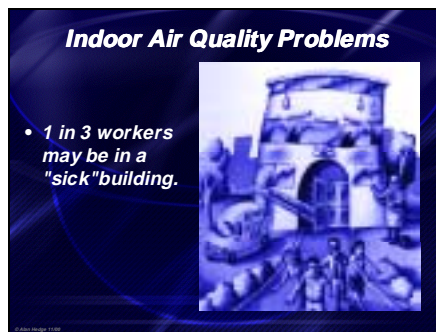
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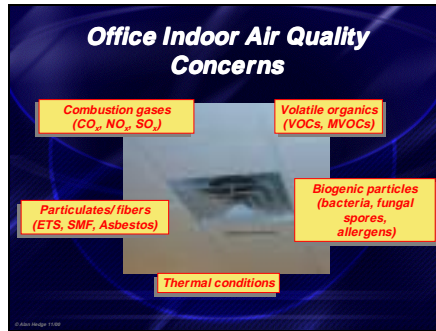
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Breathing Zone Filtration

- **Energy efficiency** - not all office air needs to be treated, only that in the breathing zone.
- **Thermal comfort** - eliminating 'dead zones' improves thermal comfort conditions.
- **Personal control** - most HVAC systems have only crude control mechanisms.

A photograph of an office interior with two large, blue, translucent, dome-shaped structures placed on desks, representing the breathing zone.

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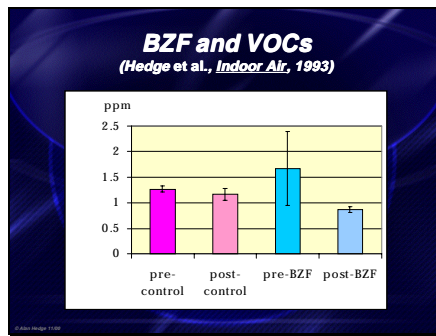
Cornell Study: Statistics Canada (Hedge et al., *Indoor Air*, 1993)

A photograph of a tall, modern office building, identified as the Statistics Canada building.

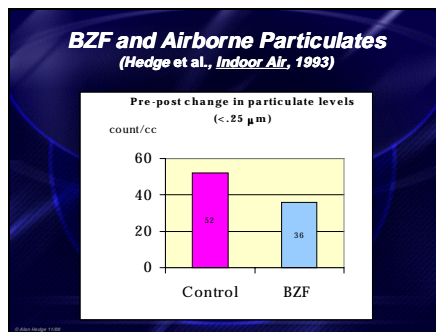
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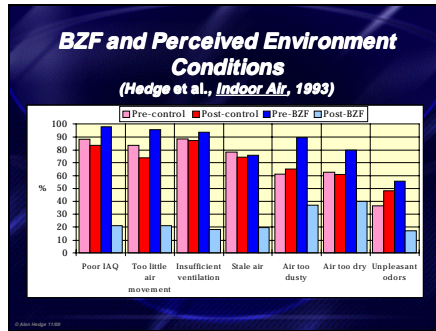
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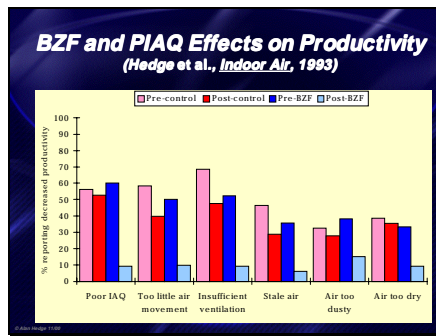
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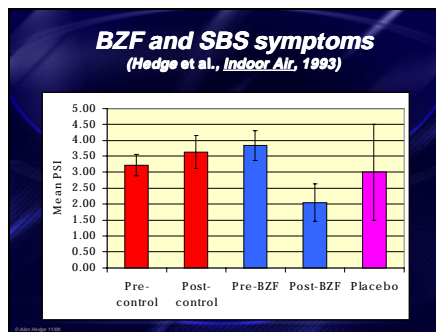
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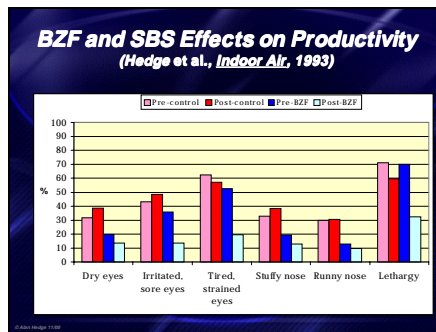
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Benefits of BZF

- BZF provides continuous, controllable, clean air to each employee.
- BZF compliments HVAC performance and improves air mixing in cubicles.
- BZF protects employees against transient air pollutants.
- BZF reconfigures with "office churn".
- BZF improves IAQ and reduces SBS complaints.
- BZF improves productivity.

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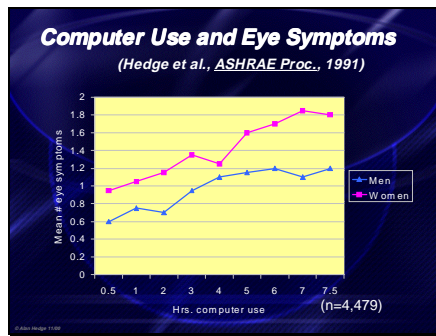
Office Lighting Issues

- Computer Vision Syndrome is the #1 complaint of computerized office workers

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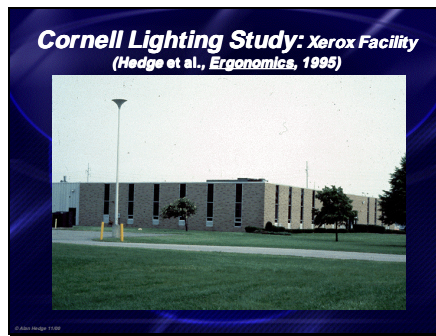
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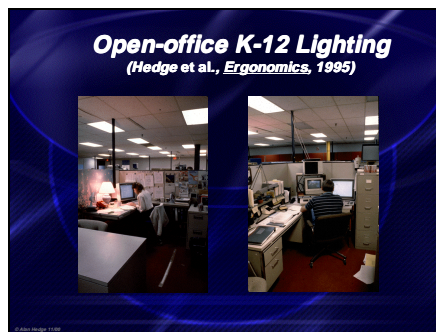
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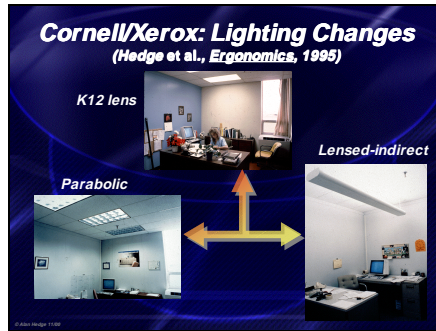
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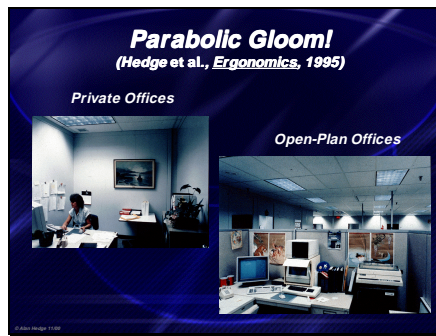
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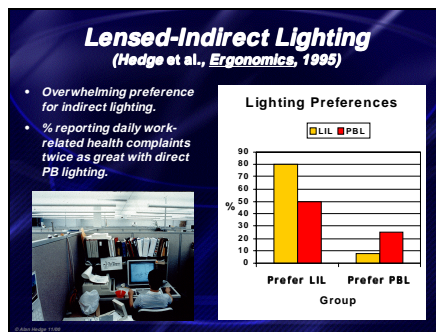
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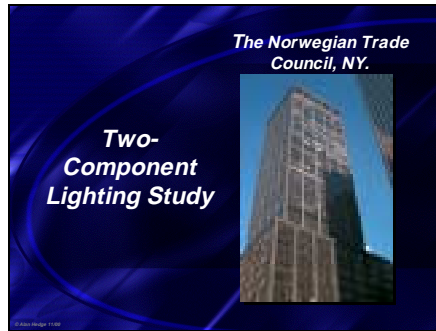
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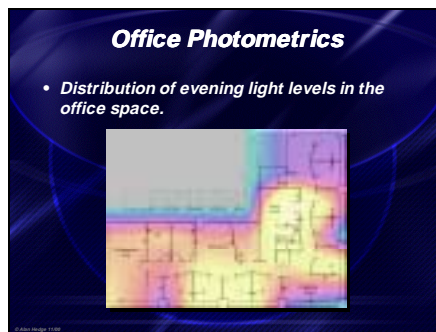
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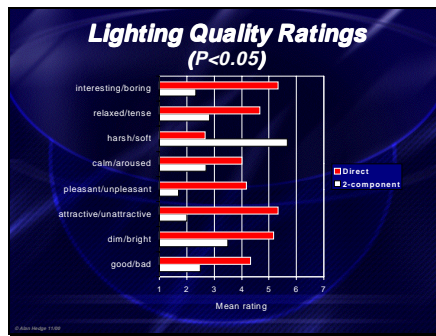
Cubicle Offices

- Individually controllable wall sconce indirect fixture on side panel and on each mullion between cubicles.
- Desktop adjustable, asymmetric task light.

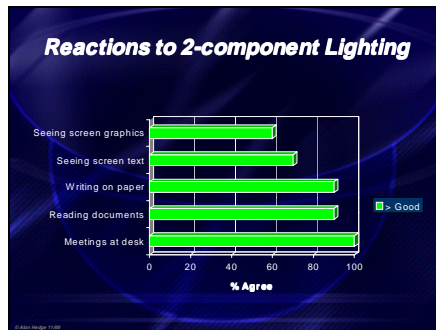


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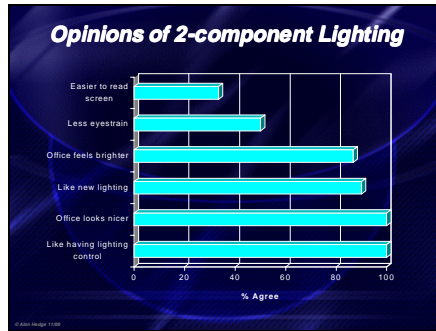
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Dual-component Lighting

- Worker reaction to the use of dual-component lighting systems is very positive.
- Workers require training.

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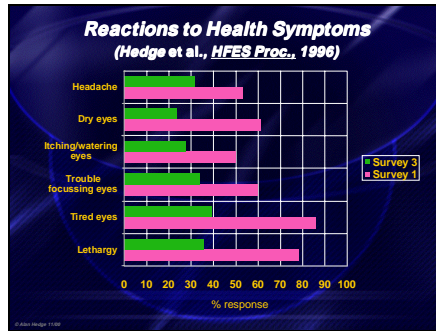
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Cornell Glare Filter Study

(Hedge et al., HFES Prek., 1996)

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Good Ergonomics is Great Economics

- Ergonomics is always a benefit.
- Ignorance of ergonomics is the cost!

A photograph showing a person sitting at a desk, working on a computer. The person is seen from the side, looking at the monitor. The desk has a keyboard and some papers.

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Cornell University Ergonomics Web
<http://ergo.human.cornell.edu>

A screenshot of the Cornell University Ergonomics Web page. The page has a header with the title and URL. Below the header, there is a navigation menu with links like Home, About, News, and Research. The main content area features a large image of a person working at a computer, with text and links below it. The page is organized into sections with headings and bullet points.