

CS 428
Peoppleware:
Part III
(chs 14-20)

Winter 2019

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Part III: The Right People

- ▶ Get the right people
- ▶ Make them happy so they don't want to leave
- ▶ Turn them loose

Ch 14: The Hornblower Factor

- ▶ Getting the right people in the first place is all-important
- ▶ Companies often tend to push to hire the company average, “people that look like, sound like, and think like everybody else”
- ▶ Ditto for corporate dress standards
- ▶ “Unprofessional” is often used to characterize surprising and threatening behavior – “professional” is unsurprising behavior
 - ▶ Note: this is quite different from how I use “professionalism” in [TEPES](#)
- ▶ Entropy (uniformity) is always increasing in the organization
- ▶ Observations and feedback?

Ch 15: Let's Talk About Leadership

- ▶ Leadership is *not* a “work-extraction mechanism”
- ▶ Leadership is a form of service
- ▶ Real leadership involves (useful) innovation, which often involves rebellion
- ▶ Most innovation that happens is unwelcome because it requires accommodating change
 - ▶ Key point: humans hate and resist change
 - ▶ “Can't we just do what we're currently doing, but better/faster/cheaper?”
- ▶ Observations and feedback?

Ch 16: Hiring a Juggler

- ▶ Much of the hiring process often involves tasks or evaluations unrelated to the actual work being done
 - ▶ Puzzles or brain teasers
 - ▶ Asking to write code on the spot w/no access to books or the net
 - ▶ Aptitude tests that have no bearing on long-term contributions
- ▶ Three different approaches
 - ▶ Portfolio of work done to date, which actual examples
 - ▶ Audition: 15-minute presentation on some aspect of past work
 - ▶ Give candidate 30 minutes to critique sample of flawed or unfinished code
- ▶ Observations and feedback?

Ch 17: Playing Well with others

- ▶ Once you have screened for talent, knowledge, and experience, then diversity becomes a bonus
- ▶ Bringing new and different people in can shake up a team for the better
- ▶ However, don't grow team size just for the sake of growth
- ▶ Observations and feedback?

Ch 18: Childhood's end

- ▶ Technology (new stuff) vs. environment (what you grow up with)
- ▶ Continuous partial attention – the opposite of flow
 - ▶ Difference between a 10% block of time and 10% of continual activity
- ▶ Articulate the contract: expected performance / behavior
 - ▶ In your case, work to find out what management expects and then live up to that
- ▶ Need to understand where attention lies (texting v. phone/e-mail)
- ▶ Observations and feedback?

Ch 19: Happy to be here

- ▶ Key problem with 'industrial' management viewpoint: turnover costs are seen as minor
 - ▶ In real life, they can be devastating to a project and to an organization
 - ▶ Hidden costs of turnover: management takes a short-term view to employee development and satisfaction
- ▶ Why people leave
 - ▶ #1 cause across all industries (recent study): their immediate manager
 - ▶ Just passing through, feeling of disposability, no reason for loyalty
 - ▶ Key point for would-be managers: **loyalty is a two-way street**
- ▶ Low turnover: mentality of permanence
 - ▶ Preoccupation for being the best
 - ▶ Investment in developing employees (education, training, etc.)
 - ▶ Clear career paths upward for all employees
- ▶ Observations and feedback?

Ch 20: Human Capital

- Essential to see spending on employees as an *investment* not an *expense*
- Common management sin: focusing on improving near-term performance by sacrificing the longer term (“eating the seed corn”)
- Replacement of a valuable team member almost always causes a drop of team productivity (imperfect knowledge transfer, coming up to speed)
- Layoffs for the sake of layoffs can easily trigger a negative downward spiral
- Observations and feedback?

Bonus slide: Keeping a strong IT staff despite layoffs [[link](#)] (Baseline, 2009)

- ▶ Avoid or reverse the Dead Sea Effect
 - ▶ Get rid of underperformers; keep best people happy and on board
- ▶ Reduce Staff, Not Tools and Benefits
 - ▶ Need to keep people productive and happy
- ▶ Evaluate Teams, Not Just Individuals
 - ▶ When possible, keep high-functioning teams intact
- ▶ Shape Your Teams to Fit Your Projects
 - ▶ Keep people to fit what projects will go forward
- ▶ Act Quickly and Decisively
 - ▶ Don't let things drag out; your best people will leave before you can retain them

Assignments for next class (03/04)

- ▶ By midnight on Saturday (03/02)
 - ▶ Create your team's test plan documentation
 - ▶ Revise other deliverables as required (esp. PERT/Gantt)
 - ▶ Submit status report
 - ▶ Watch one podcast
- ▶ By start of next class period:
 - ▶ Peopleware, Parts IV-VI (chapters 29-36)
 - ▶ Webster #6 (online)