Physics Work Flow (monthly summaries) PhL 3.26.05

Red shows (1) name of book being started (or resumed) at that time; (2) a side topic that I worked on, usually something in the math world.

Sept-Oct 2006 ~ 2 yr **Thomson** Maestro/APEX gig ends, review **Campbell**

Nov-Dec 2006 Start **Watson**, have roof adventure

Feb-Mar 2007 **Watson** Cell Biology Ch 7-9 (and Rome readings)
Apr-July 2007 **Watson** 9-24 and finish it, a peek at Reif
Aug-Sept 2007 Start MS with **Weiner** book then start **McAlpine** MS book
Oct-Dec 2007 Continue **McAlpine** but stop before "main drug" Ch18 , start Levitt on **NMR**

Summary of 2007 by numbered month

1	Thomson VMIX short gig revisit
2-3	**Watson** Cell Biology Ch 7-9 (and Rome readings)
4-7	**Watson** 9-24 and **finish Watson**, a peek at Reif
8-9	start MS with **Weiner** book then start **McAlpine** MS book
10-12	continue **McAlpine** but stop before "main drug" Ch18 , **start Levitt** on NMR

Jan 2008 all **Levitt**
Feb 2008 pause Levitt at Ch 13, tax time, then resume McAlpine MS
Mar 2008 finish **McAlpine**, read all of **Minegar** then some papers
Apr 2008 Finish **Levitt**
May 2008 **Goldstein** Ch 1-3
June 2008 **Goldstein** Ch 3-4
July 2008 **Goldstein** Ch 4-9
August 2008 finish **Goldstein** (Ch 9-11), start **Mandl** then BDI Ch 1-4
Sept 2008 **M&M** curvilinear, **Bjorken Drell I** 4-7, Lorentz Group digression
Oct 2008 resume **BDI** Ch 7-8
Nov 2008 **BDI** Ch 8-10, ran into pion phase shifts, switch to Schiff Ch 5
Dec 2008 **Schiff** Ch 1-5, **Bateman** CHGF, **Messiah** Ch 10, 95% **Saxon**, Schiff Ch 6-7

Jan 2009 SSPT: **Schiff** Ch 8, **Saxon**, **Messiah**, fin **Stakgold** Ch 2, **Messiah** Kato
Feb 2009 SSPT: finish Messiah Kato, angular momentum digress, Schiff Ch 8 WKB
Mar 2009 **Schiff** Ch 8 WKB; TDPT: Schiff Ch 8, **Saxon**, own, start Stakgold Ch 3
Apr 2009 **Stakgold** Chap 1, review Ch 2&3, then do Chap 4
May 2009 finish **Stakgold** vol I and just start vol II
June 2009 **Stakgold** Chapter 5
July 2009 **Stakgold** finish Chap 5, start into Chap 6 (potential theory)
Aug 2009 **Stakgold** Chap 6, hold at conformal mapping and read 3 Chaps Ahlfors.

Sept 2009 **Ahlfors** meta notes, then back to Stakgold Chapter 6
Oct 2009 **Stakgold** Chapter 6: finish chapter, meta and meta-meta docs, do exercises
Nov 2009 Parse Kelvin, digress into curvilinears in general + ellipsoidals + oblate spheroidals
Dec 2009 **Smythe** and **Morse & Feshbach** readings on advanced electrostatics

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Jan 2010 **Smythe** readings, try his method on Oblate Green's
Feb 2010 all spent doing Oblate Bloid and Legendre stuff
Mar 2010 cylindricals, ring and disk, Legendre properties
April 2010 iris and disk attempts
May 2010 toroidals, 1/R expansions, and the Big **Jackson** Hint
June 2010 **Smythe** Problem 38 finally gets solved (in plane iris Green's Function)
July 2010 Analysis of the Charged **Bowl**; realized the simpler disk→disk inversion method. Final iris/disk Green results. Toroidals, atoms doc, parallel plates, **Sneddon**!
Aug 2010 **Sneddon** meta notes, conical functions, Cartesians, 1/R expansions
Sept 2010 **House painting**; review of past work, writing overviews relating to bowl things
Oct 2010 **House painting**: overviews for spheroidal and ellipsoidal worlds; reading Hobson; learn conical coordinates;
Nov 2010 finish **Hobson**, a Lamé look at WW, 3D SL, then **Moon & Spencer**, disk/iris overviews electric field line drawing Maple program; major updates to Maple User's Guide
Dec 2010 gaga

Jan 2011 2/3 of this month on **2D integral EV problem**, Jim, Shankar, Price; 1/3 toroidal bowl
Feb 2011 Entire month spend fleshing out the **Toroidal Bowl paper**.
Mar 2011 publish Bowl doc on website, **review all of Stakgold** then start Chapter 7
Apr 2011 **Stakgold Chapter 7** heat part
May 2011 **Stakgold** Chapter 7 wave part, start Helmholtz part
June 2011 **Aruba** and other things, no work done
July 2011 **Stakgold** Chapter 7 Helmholtz and Weiner-Hopf
Aug 2011 **Stakgold** Chapter 7, then digress into **Stackel separation doc**
Sept 2011 **Tensor Doc**
Oct 2011 **Tensor Doc**
Nov 2011 **Tensor Doc**
Dec 2011 **Stakgold**: errata published and finish Chapter 7

Jan 2012 **finish Stak** final exam, review Goldstein and M&F, **start Lai** Ch 1-3
Feb 2012 **Lai** Ch 3-4, tensor doc updates
Mar 2012 **Lai** Ch 4-5, tensor doc updates
Apr 2012 **Lai** Ch 5, tensor doc updates
May 2012 **Lai** Ch 5, **start Ng** machine learning online course
June 2012 **Lai** finish Ch 5 and Ch 6, start Ch 7, wrap up Ng course
July 2012 write **frames doc** after G Rule appears in Lai
Aug 2012 write **frames doc**, Lee / Cod visit
Sept 2012 write **frames doc**, Lee / Cod visit, finish Lai Ch 7, start Ch 8

Oct 2012 **more tensor doc** and frames doc, **finish Lai** Ch 8 (last), send errata to Lai
Nov 2012 **astro doc**
Dec 2012 **Cod** trip then finish astro doc

Jan 2013 finish **astro doc** and start **Galois** doc
Feb 2013 finish **Galois** doc
Mar 2013 **spectral** doc
Apr 2013 **spectral** doc
May 2013 **f**inish **spectral** doc
June 2013 start **scrambler** doc, pause for **Galois update**
July 2013 finish Galois update, resume **scrambler** doc
Aug 2013 repairs to **spectral** doc, then resume and finish **scrambler** doc
Sept 2013 start **lines** doc
Oct 2013 **lines** doc
Nov 2013 **lines** doc
Dec 2013 **lines** doc

Jan 2014 **lines** doc
Feb 2014 **lines** doc and **bipolar doc** and first release
Mar 2014 **lines** doc and radial Hall
Apr 2014 **lines** doc and eddy currents
May 2014 **lines** doc and Z_s averaging
June 2014 **lines** doc
July 2014 **lines** doc
Aug 2014 **lines** doc and second release
Sept 2014 **lines** doc
Oct 2014 **lines** doc and third release
Nov 2014 **Black PC** activated, Alta retired, Easy shipped out
Dec 2014 **Cosmology** 101 and the blackbody problem → Schiff → Lagrange Doc

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Jan 2015 **Buck** restart after 40+ years, start **AFIB docs**
Feb 2015 finish **AFIB Docs**, update 4 other docs, resume **Buck**
Mar 2015 update **Bipolar Doc**, start **Researchgate**
Apr 2015 major update **Tensor Doc**
May 2015 **Buck** handoff to **Lagrange Doc** on extrema
June 2015 finish **Lagrange Doc**, resume **Buck**
July 2015 Buck handoff to **Sjamaar** on differential forms
Aug 2015 finish **Sjamaar**
Sept 2015 start **Wedge Doc**
Oct 2015 **Hawaii** and resume **Wedge Doc**
Nov 2015 continue **Wedge Doc**
Dec 2015 switch to a lengthy **Bowl Doc** update due to an email

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Jan 2016	finish **Bowl Doc** update, start wedge doc
Feb 2016	**Wedge Doc**
Mar 2016	**Wedge Doc**
Apr 2016	**Wedge Doc**
May 2016	**Wedge Doc**
June 2016	**Wedge Doc**
July 2016	nada
Aug 2016	nada
Sept 2016	**new Lagrange doc / Goldstein Ch 2**
Oct 2016	**new Lagrange doc**
Nov 2016	**Euler doc**
Dec 2016	**new frames doc / Goldstein Ch 3,4**

Jan 2017	**new frames doc**
Feb 2017	**new frames doc**
Mar 2017	**new frames doc**
Apr 2017	**new frames doc**
