**Simplified Tectonic Map of the World, Including Major Basins**

Compiled by Bill St. John

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*Map received November 26, 2014, accepted February 4, 2016.
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**Editorial Comments**

This compilation by Bill St. John followed his classic “Sedimentary Provinces of the World,” published by AAPG in 1984. A digital version of that map is available from AAPG. This tectonic map was submitted by Dr. St. John to Datapages as a preliminary map, awaiting funding for conversion into a digital version using Arc GIS. After considerable time, change in financial climate, and reduction in AAPG personnel, the preliminary map is posted here, in order to provide viewers, without further delay, with yet another outstanding work by St. John.

References are given with the map, as is the Explanation. The latter is also provided separately at a larger scale.

Although there are a number of similar compilations, the seminal work by Bally et al. (2012) must head the list.

**References Cited**


**Acknowledgments**

Sandra PaskVan and Jacqueline Berryman scanned the highly oversized map, along with the Explanation and thereby were instrumental in this online presentation of the map.
# Simplified Tectonic Map of the World Including Major Sedimentary Basins

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Bill St. John

### Explanation

<table>
<thead>
<tr>
<th>Epoch</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quaternary</td>
<td>Holocene</td>
</tr>
<tr>
<td>T</td>
<td>Pleistocene</td>
</tr>
<tr>
<td>E</td>
<td>Miocene</td>
</tr>
<tr>
<td>R</td>
<td>Oligocene</td>
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<tr>
<td>T</td>
<td>Eocene</td>
</tr>
<tr>
<td>Y</td>
<td>Paleocene</td>
</tr>
</tbody>
</table>

- **K.** Late/Upper Cretaceous
- **K.** Early/Middle Cretaceous
- **J.** Late Jurassic
- **J.** Early/Middle Jurassic
- **P.C.** Precambrian

### Provinces
- Sedimentary basins
- Volcanic deposits
- Non-sedimentary basement areas, platforms and sialic, foldbelts and uplifts.
- Non-sedimentary zones of P.C. igneous platform rock, volcanic, intrusive, and highly folded rock of different ages including: (1) western North America, Central and South America, (2) parts of Utah/ Montana/China, and (3) eastern Europe in area bordered by thrust faults.

### Tectonic features
- Active spreading center
- Abandoned spreading center
- Subduction zone
  - Thrust fault
  - Transform fault
  - Strike-slip fault
  - Normal fault
  - Approximate contact between continental/ oceanic crusts.
- Discontinuities in spreading including ridge jumps, triple junctions, propagating rifts, and breakup anomalies.